

GAMES



The Old Shell Game?

Can you move two starfish (switching them with shells) so that no two starfish are in the same line horizontally, vertically, or diagonally?

Answer, page 64

Marlboro Country



Marlboro Red or Longhorn 100's—
you get a lot to like.

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SURGEON GENERAL'S WARNING: Smoking By Pregnant Women May Result in Fetal Injury, Premature Birth, And Low Birth Weight.

16 mg "tar," 1.0 mg nicotine av. per cigarette, FTC Report Feb. '85

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DIFFICULTY RATING

Smooth Sailing ★ Uphill Climb ★★ Proceed at Your Own Risk ★★★ Mixed Bag ★☆

Cover Photograph Aaron Rezny Cover Puzzle Mike Shenk



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ODD MAN OUT ★★

At left are the first names of seven show business personalities, past and present. First match them with their scrambled last names, at right, and then figure out which one doesn't belong.

- | | |
|----------------|---------------|
| 1. Christopher | a. EYETRIN |
| 2. Daryl | b. IMONE |
| 3. Gene | c. CSKIN |
| 4. Glenn | d. LOCES |
| 5. Joey | e. NAHNHA |
| 6. Michael | f. RELADEN |
| 7. Sal | g. RINSOR |
| 8. Stevie | h. TOEHATRENH |

Lori Zlatkin
Newark, DE

JUST BEERLY ★★

Anyone who watches TV, reads magazines, or drives on highways certainly gets his fill of beer commercials. Here's a lite quiz to see if you can remember which ad slogan (1-10) goes with which brew (a-j).

- | |
|---|
| 1. The champagne of beers. |
| 2. Let it be ____. |
| 3. The king of beers. |
| 4. Brewed with pure Rocky Mountain spring water. |
| 5. The beer that made Milwaukee famous. |
| 6. Tastes as great as its name. |
| 7. Come to think of it, I'll have a ____. |
| 8. America's only fire-brewed beer. |
| 9. Everything you've always wanted in a beer. And less. |
| 10. Bring out your best. |
-
- | |
|---------------------|
| a. Stroh's |
| b. Old Milwaukee |
| c. Miller High Life |
| d. Coors |
| e. Budweiser |
| f. Miller Lite |
| g. Löwenbräu |
| h. Schlitz |
| i. Budweiser Light |
| j. Heineken |

John T. Kirkpatrick
Tulsa, OK

LOOSE CHANGE ★★

I have 100 coins (quarters, dimes, nickels, and pennies), worth \$7.50 in all. There are three times as many pennies as quarters. The number of nickels is one more than half the number of dimes. How many of each coin have I?

Douglas Storms
Wethersfield, CT

DUE DATE ★★

A Canadian firm sent a bill to a customer in the United States, giving the payment deadline in numerical form as day/month/year. The customer interpreted this, however, as month/day/year and paid the bill exactly 60 days after the due date. What two days of the year were involved?

Walter Penney
Greenbelt, MD

FAMILY AFFAIR ★★★

The only persons who live in a certain apartment house are young couples and their children.

- There are more children than adults.
- There are more adults than boys.
- There are more boys than girls.
- There are more girls than families.
- Each family has at least one child.
- No two families have the same number of children.
- Every girl has at least one brother.
- Every girl has at most one sister.
- One family has more children than all the other families put together.

How many families are there, and how many boys and girls in each?

John Parks
Paterson, NJ

ANSWERS, PAGE 60

GAMES

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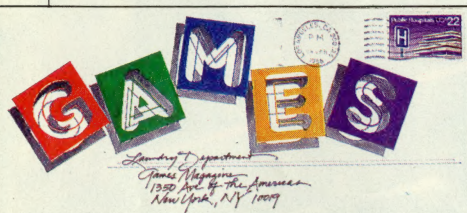
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LETTERS

ENVELOPE OF THE MONTH



Jane Shibata
Los Angeles, CA

AND BABY MAKES THREE

Your June cover, "The Doctors Are In!" stated that 27 "doctors" were represented in the scene. But I found 28: The baby wearing the Dr. Dentons could also represent "Baby Doc" Duvalier, the former Haitian leader.

Susan Hunt
Menomonie, WI

The baby on your cover is wearing a New York Yankees baseball cap representing Doc Medich. With a little fudging, couldn't you say that the baby represents the Mets' star pitcher Dwight Gooden, otherwise known as Dr. K?

Robert and Virginia Loy
Summerville, SC

While my wife and I were solving the "Doctors" cover, I looked at the baby with the Yankees' cap and thought, "Yankee . . . baby . . . Babe Ruth . . . Dr. Ruth." That is, sex therapist Dr. Ruth Westheimer.

Ira R. Ellis
Tarzana, CA

SIR E. DURNING-LAWRENCE

In the March Letters column a reader reported that Shakespeare critic Sir E. Durning-Lawrence had found a clue "proving" that Shakespeare's writings were the work of Sir Francis Bacon. By anagramming a 27-letter word found in *Love's Labor Lost*, Durning-Lawrence constructed a Latin phrase giving credit to Bacon. In response, we offered GAMES T-shirts for witty anagrams of "Sir E. Durning-Lawrence."

We received nearly 100 anagrams, forming a rich variety of messages. Keri Fisher, of Pomona, New York, cautioned "Warning—erred in clues!" Her mother, Judi Fisher, exclaimed "Slender! Ruin! We cringe!" Nellie Pennington, of East Thetford, Vermont, was almost alone in supporting Sir E. by allowing, at least, that he provides "rewarding inner clues." And Robert N. Test, of Cincinnati, Ohio, gave the Bard himself a chance to comment: "'Recurring lie! An end!'—W. S."

T-shirts to all four. —Ed.

LAST LICKS

I see a more serious problem with one of the stamps in "First Class Blunders" (May, page 44), your collection of error-filled postage stamps. In stamp number 11, the tennis player is about to hit a backhand off the wrong foot—his weight should be on the leg closer to the net. Of course, the ball could have caught him unprepared, but if that's the case, he has no business posing for stamps.

Kerry Doyle
New York, NY

THE SHORT AND THE LONG OF IT

In "The GAMES Book of Word Records" (May, page 46), author A. Ross Eckler claims that the most sensible pangram (a sentence containing all 26 letters of the alphabet, used only once) is this one by Clement Wood: "Mr. Jock, TV quiz Ph.D., bags few lynx." But I think the one that helped me win a contest a few years ago is even better: "New job: Fix Mr. Gluck's hazy TV, PDQ!"

Kathy Clinebell
Wyoming, IL

I was somewhat surprised upon reading the 20-word rhopalic (a sentence in which each word contains one more letter than the previous word) as constituting a "word record." I've been sitting on a 21-word rhopalic of my own! Here's mine:

"I do not like short people because smallish citizenry inevitably internalize degenerative abnormalities, simultaneously overemphasizing disingenuousness, circumstantiating verisimilitudinous uncommunicativeness uncharacteristically pseudoanthropological."

Wayne Silka
Berkeley, CA

DOESN'T HOLD WATER?

I don't know what Charles Hall owns his patent for, but it can't be for the waterbed, as is claimed in "The Alma Mater of Invention" (May, page 14). That idea has been in the public domain for many years, thanks to the inventiveness of science fiction author Robert A. Heinlein. Waterbeds are mentioned in several of Heinlein's short stories dating back to the 1940s, and described more fully in his novel *Stranger in a Strange Land*.

Gordon Schnaper
Tewksbury, MA

Although Heinlein describes waterbeds in his writings, this does not provide him with a claim to a patent, nor does it place the idea in the public domain. Charles Hall designed and described the first commercially viable waterbed and was issued patent #358356 in 1971. Hall responds that, even though sci-fi writers discussed trips to the moon over a hundred years ago, someone still had to invent the rocket. —Ed.

HERCULEAN TASK

In the article "Searching the Seychelles" (June, page 14), author David Saltman points out that the undaunted treasure hunters had to perform the equivalent of Hercules' 12 Labors while conducting their search. As an example, he compares the problem of diverting a "many-headed" underground stream on the island to Hercules' task of killing the Hydra. But I'd say a closer comparison would be to Hercules' task of cleaning the Augean stables in a single day, since Hercules had to change the course of two rivers to wash them out.

Morgan Rose
St. Charles, MO

SQUEAK, SQUAWK

I have a little trouble with the Rube Goldberg-like solution to "A Better Mousetrap" (April, page 32). In the answer, pictures 4 and 10 were juxtaposed so that the rising feather would tickle the bird, causing him to let go of the rope in his beak. But if feathers were ticklish to birds, they'd be in quite a fix!

Charles Neuschafer
Lantana, FL

LAUNDRY

If a reader finds a significant error of fact or a mistake that affects the play of a game, and we agree the slip needs to be laundered, we'll print the first or best letter and send the writer a GAMES T-shirt.

MISTAKES: JUNE

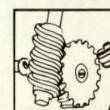
The headline writer who wrote "GENERAL KILLS SELF, GETS DOUBLE TROUBLE" for "The Compleat Culture Quiz" (page 22) never read the entire play. Macbeth was slain by Macduff.

Edward S. Derrmon
Roslyn Heights, NY

Our headline was based on inaccurate early reports from Dunsinane.—Ed.

I hope you like your tea really weak. In the center of the teabag-dipping machine ("One Good Turn," page 40) is a toothed gear trying to drive a worm gear. This is like trying to turn a screw by pushing down on the threads. A toothed gear may be driven by a worm gear, but not the other way around. The entire mechanism will lock, and the teabag will never reach the cup.

Not to worry, though. You can keep the water hot from the heat of the slipping belts.



Mark L. Kaufman
Guerneville, CA

In "Airport Shorts" (Wild Cards, page 55), where state capitals had to be guessed from their airport codes, you gave SME for Salem (Oregon) and ABY for Albany (New York). These codes actually stand for Som-

erset (Kentucky) and Albany-Dougherty (Georgia); the correct codes for Salem (OR) and Albany (NY) are SLE and ALB.
Debbie Schaninger
Easton, PA

MAY

Joe Pignatano did hit into a triple play on his last plate appearance in the major leagues (Gamebits, page 9), but it was in 1962, not 1982. Joe later became a coach for the Mets.

Nancy Alexander
Bridgewater, NJ

Your article "The Alma Mater of Invention" (page 14) states that our game Jorune is published by West End Games. Jorune is in fact published by our own company, Skyrealms Publishing, Inc., which Andrew Leker, Miles Teves, and I formed in 1984. Your article suggests that I was involved in

(CONTINUED ON PAGE 59)

EVENTS

DAY OF THE MONTH: AUGUST 29

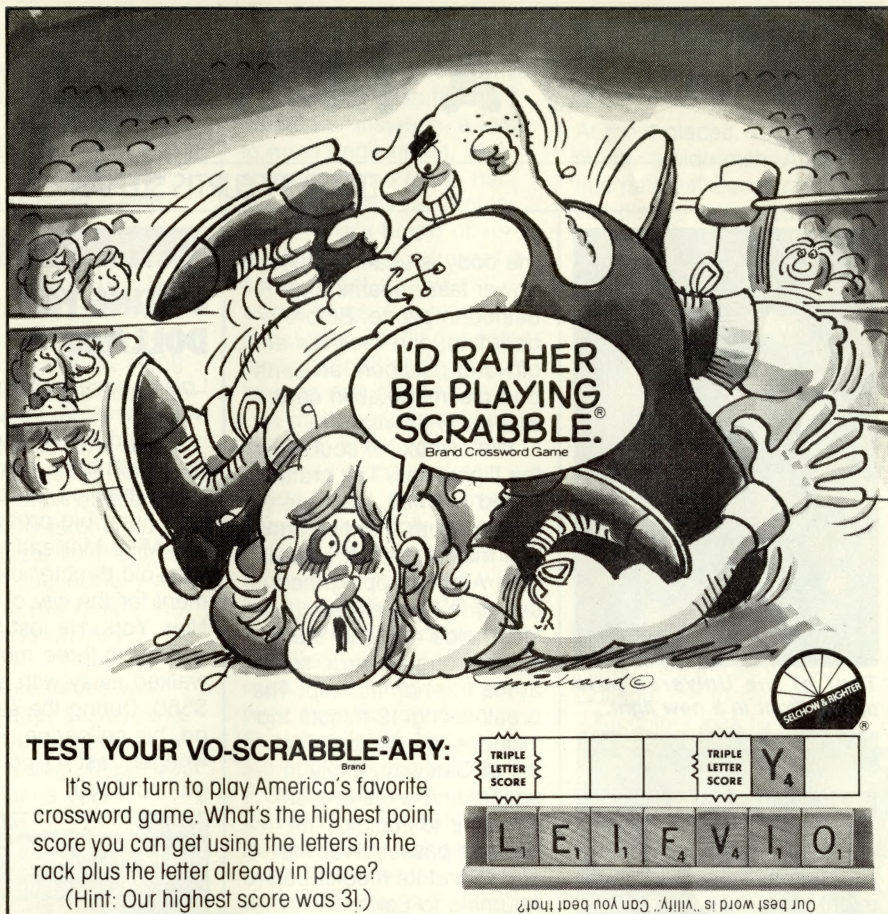
"According To Hoyle" Day is a day to remember Edmond Hoyle, and a day for playing *according to the rules*. Little is known about Hoyle; even his birthplace and birthday are unknown. He is believed to have been born about 1672 and to have studied law. For many years he lived in London and gave instructions in the playing of games. His *Short Treatise on the Game of Whist* (pub. 1742) became a model guide to the rules of the game. Hoyle's name became synonymous with correct play according to the rules, and the phrase "according to Hoyle," referring to the ultimate authority, became part of the English language not only in games, but also in business, ethics, and even politics. Hoyle died in London on August 29, 1769.

If you plan to attend any of the following events, write or call to check entry fees, dates, sites, eligibility, etc. Include a stamped, self-addressed envelope with your request. If you know of other events suitable for this column, write to Events, c/o GAMES.

ADVENTURE GAMING Over 10,000 people are expected to join the fun in the GEN CON 19 Game Fair and Trade Show, August 14-17, at the MECCA Auditorium and Convention Hall, in Milwaukee. Events include scheduled gaming, tournaments, role-playing, painting miniatures, costume contests, an auction, and an exhibit of new game and entertainment products. The fee is \$2 per day for visitors, and ranges from \$15 to \$35 for players. Contact: GEN CON Game Convention, P.O. Box 756, Lake Geneva, WI 53147, or call (414) 248-3625.

CROSSWORDS Finals of the GAMES/Merriam-Webster U.S. Open Crossword Championship take place August 16 at New York University's Eisner & Lubin Audi-

(CONTINUED ON PAGE 59)



TEST YOUR VO-SCRABBLE®-ARY:

It's your turn to play America's favorite crossword game. What's the highest point score you can get using the letters in the rack plus the letter already in place?

(Hint: Our highest score was 31.)

Our best word is "Villify." Can you beat that?

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L ₁ E ₁ I ₁ F ₄ V ₄ I ₁ O ₁						

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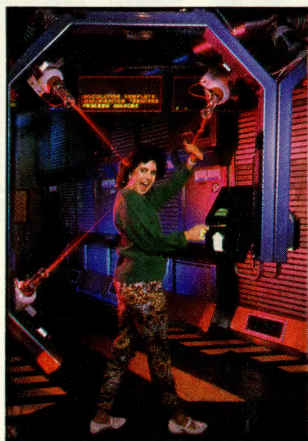
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GAMEBITS

EDITED BY CURTIS SLEPIAN



Tour of the Universe puts space flight in a new light.

BY JUPITER!

If you've nixed a European vacation this summer, you might consider a trip to Jupiter instead.

Called "Tour of the Universe," the Jovian journey takes place in the CN Tower in Toronto, Canada. It took Interactive Entertainment, Inc., four years and \$10 million to build the ride, but visitors pay only \$7 to experience space flight in the year 2019.

Before flying, a visitor first receives a magnetic strip encoded with his or her name. At a security scan, a digital voice instructs the "passenger" to insert the ticket into a glowing slot. After the visitor's height and weight are recorded, a bar automatically swings open, allowing entrance to the main concourse, a large room filled with exhibits on space technology.

Next, it's on to Passport Input, where questions are answered by pressing a touch-sensitive screen. Besides stating name and nationality, a visitor must declare whether he or she is a clone or has bionic parts.

At the Inoculation Area,

the body is scanned by low-power laser beams and bathed in ozone. Before boarding, one receives an offworld passport, an earth-port disembarkation card, and a Jovian visa.

The climax, of course, is the flight itself. The craft, called *Hermes*, was purchased from a British firm that makes aircraft simulators. After strapping themselves in, passengers (the ship holds 45) view the flight through a large screen at the front of the ship. The breathtaking 12-minute trip includes launch and docking at Gateway, a city in space, and a faster-than-light ride to Jupiter. The *Hermes* passes over the planet and its moons before returning to Earth.

The power of the space-flight illusion is due in part to the work of Douglas Trumbull, the special effects whiz behind such movies as *2001* and *Star Wars*. Trumbull filmed the special effects for Tour of the Universe using a technique called Showscan. By projecting film frames at greater speeds than normal, Showscan produces extraordinarily lifelike images.

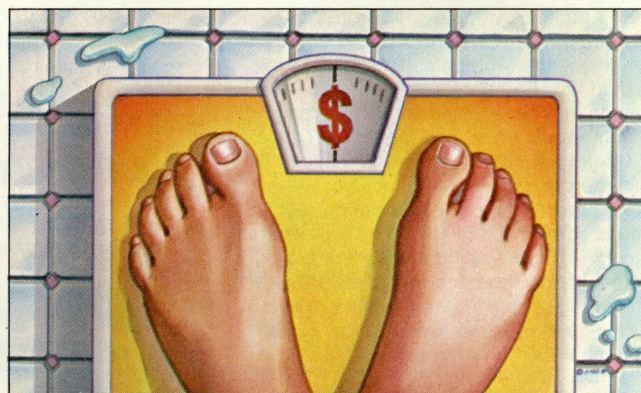
More out-of-this-world simulation is created by the movement of the craft. Hydraulic lifts make the *Hermes* rise, fall, pitch, roll, and yaw in concert with the events on the screen. When one is power-diving toward earth, one's stomach isn't thinking, "it's only a movie."

Right now, Interactive Entertainment, Inc., is more active than NASA. They're planning a flight to Halley's Comet, and are hoping to franchise their operation worldwide. For IEI, it seems, space is the financial frontier.

—Marshal M. Rosenthal

DIETING FOR DOLLARS

Losing excess weight brings many benefits, including improved health and better appearance. But for some, battling the bulge can also bring big profits. Just ask Mike McKeating, a 41-year-old director of development for the city of Buffalo, New York. He lost 53 pounds in three months—and walked away with a hefty \$550. During the same period, his colleague, Robert Krieger, lost 41 pounds and gained \$100.



McKeating and Krieger placed first and second in a dieting contest that began when Deputy Police Commissioner Joe Scinta wanted to lose 50 pounds. After checking out the prices at a local weight-loss clinic, Scinta decided he could "do something that would be cheaper and just as effective."

So Scinta organized a competition among 13 city hall workers. Each put up \$50. The two who lost the most weight between January 1 and April 1 would win the prize money.

Some contestants, including Scinta, lost some weight at first but gained it right back. But the 5'8" McKeat-

ing went from 239 to 186 pounds. "This was a great way to lose weight because the rivalry was a real motivator," he says.

Not content with sticking to their own diets, contestants devilishly tried to lead one another into temptation. They bribed co-workers to ply their competitors with beer, ordered calorie-laden blue cheese dressing for each other's salads, and sent anonymous pizzas to each other's homes.

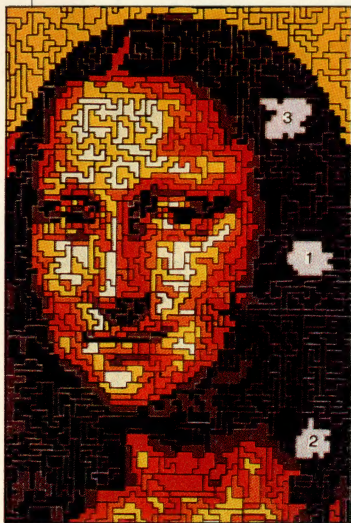
McKeating, as the front runner, was subjected to an especially hard-nosed attack: "I'd arrive at work in the morning and there'd be

doughnuts on my chair," he says. "Then, I'd open my desk and find candy bars inside. And when I went to drive home, I'd find pretzels sitting in my car." Such tactics had little effect, he added. "I just ignored the unwanted food."

Once the contest ended, McKeating celebrated so heartily that he quickly regained about five pounds—but he swore, "I'm going back on my diet tomorrow!"

What will McKeating do with his earnings? "I went down two suit sizes and three shirt sizes—nothing fits anymore. So I'll probably buy a lot of new clothes."

—Minda Zetlin



THE JIG IS UP

There's a new challenge for the chronically puzzled: the Omni Jigsaw, the biggest advance in flat puzzles since the folding card table.

The idea is to put together the puzzle's 1,800 pieces to form an 18" x 24" picture of the Mona Lisa, and when *that's* finished, to use the same pieces to form the same-size picture of a chimpanzee, and then a mountain lake, and then a lion, a tiger, and, trickiest of all, a human eye.

"As far as I know, this is the world's first interchangeable jigsaw puzzle," says Edward Duveyoung, the Omni's intrepid inventor. Duveyoung, a former starving artist, has been dabbling in two- and three-dimensional puzzles for years. "About four years ago I went to a toy company and told them I could do one with a hundred interchangeable images. They told me six would be fine," he laughs.

Thus began a five-month, eight-hour-a-day excursion into unexplored puzzledom. When he had it all figured out, he discovered that the toy company he had designed the puzzle for couldn't manufacture it to the necessarily exact tolerances. "The pieces might fit one puzzle, but the errors would add up in each of the

others."

Fortunately, another company decided to tackle the problem. They seem to have succeeded—not that it helps the masochists—er, puzzle enthusiasts—who purchase the Omni Jigsaw (available for \$15 plus postage from Almond Toy, Box 1349, Fairfield, Iowa 52556).

Each of the six puzzles consists of 1,100 to 1,600 non-interlocking pieces; solutions are included for all but the Human Eye variant. So confident is Almond Toy of its frustration quotient that the company is offering a \$25,000 prize for the first puzzler to successfully assemble the eye before the contest ends on July 1, 1987.

"I think someone will solve it," says Duveyoung. "It should only take, oh, a hundred hours." Made your vacation plans yet?

—A. M.

PLAIN ENGLISH

Some years ago, a Metro-media Radio newsman named Norman Moss was confused. This is not too surprising for a man who had grown up in both the United States and the United Kingdom and was broadcasting his show from England for American audiences. "Was it *sidewalk* in Britain and *pavement* in America—or the other way around? I couldn't remember," he says.

Other goofs finally convinced Moss he needed help. When he couldn't find any British/American dictionaries, he decided to compile one himself. The result is the *British/American Language Dictionary* (Passport Press, \$5.95), first published in 1973, and since updated.

Though Moss, 54, now lives in England (as a youth he spent nine years in America), he still loves collecting incidents of transatlantic misunderstandings.

Some of the most common word differences have to do with foodstuffs, he notes. For instance, a joint, to most Englishmen, is something you roast, not smoke illegally. Martini in the U.K. is a brand of vermouth. "And if you want a corned beef sandwich," warns Moss, "don't ask for it that way. You'll get some nasty canned stuff. You have to call it *salted* beef."

A more serious misunderstanding affecting millions occurred at the end of World War II, when Americans were supplying food to France. A British translator requested "corn," by which he meant wheat. (What Americans think of as corn is called "maize" in Europe.) The Americans sent what *they* thought the French wanted. Never having cooked corn before, the French made it into long loaves of completely indigestible French bread.

Another international mix-up arose when a British delegation suggested to an American group that they "table a motion"—meaning, bring it up for discussion. "No, no," the Americans insisted. "It's a good idea—why table it?" Moss says, "They argued for some time before realizing they were all on the same side."

The potential for linguistic confusion seems endless. For example, an Englishman and an American can each say, "I'm mad about my flat," but mean very different things. "One likes his apartment, while the other is upset about car trouble," Moss says.

Then there's "Yankee," which to an Englishman means "American." Moss tells of a Briton who innocently said to some friends from Tennessee, "While in Mexico, I noticed a large number of Yankee enterprises." After a long silence, one Tennessean coldly replied, "There are plenty of Southern enterprises in Mexico, also."

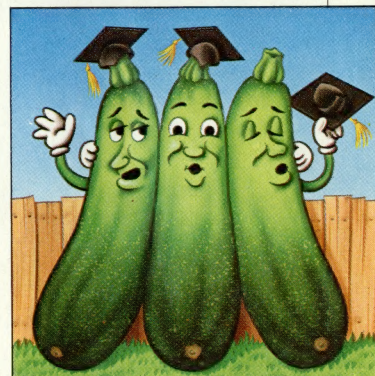
—Minda Zetlin

ZUKE OF EARL

At most places, zucchini is strictly a side dish. At the International Zucchini Festival, it's the main course.

The event began four years ago when residents of Harrisville, New Hampshire, found themselves inundated by a bumper crop of zucchini. Instead of letting them rot, someone cooked up the idea of holding a zuke festival to raise funds for local schools. Participants display jars of zucchini relish, racks of zucchini cakes, and take part in zany zucchini competitions.

Last year, in honor of the festival's new locale, New Hampshire's Keene State College, the theme was "Zucchini Goes to College."



Collegiate hijinks featured the squashing of 19 people into a zucchini crate, and the selection of the Big Zucchini on Campus; the winner measured three feet long and weighed 15 pounds.

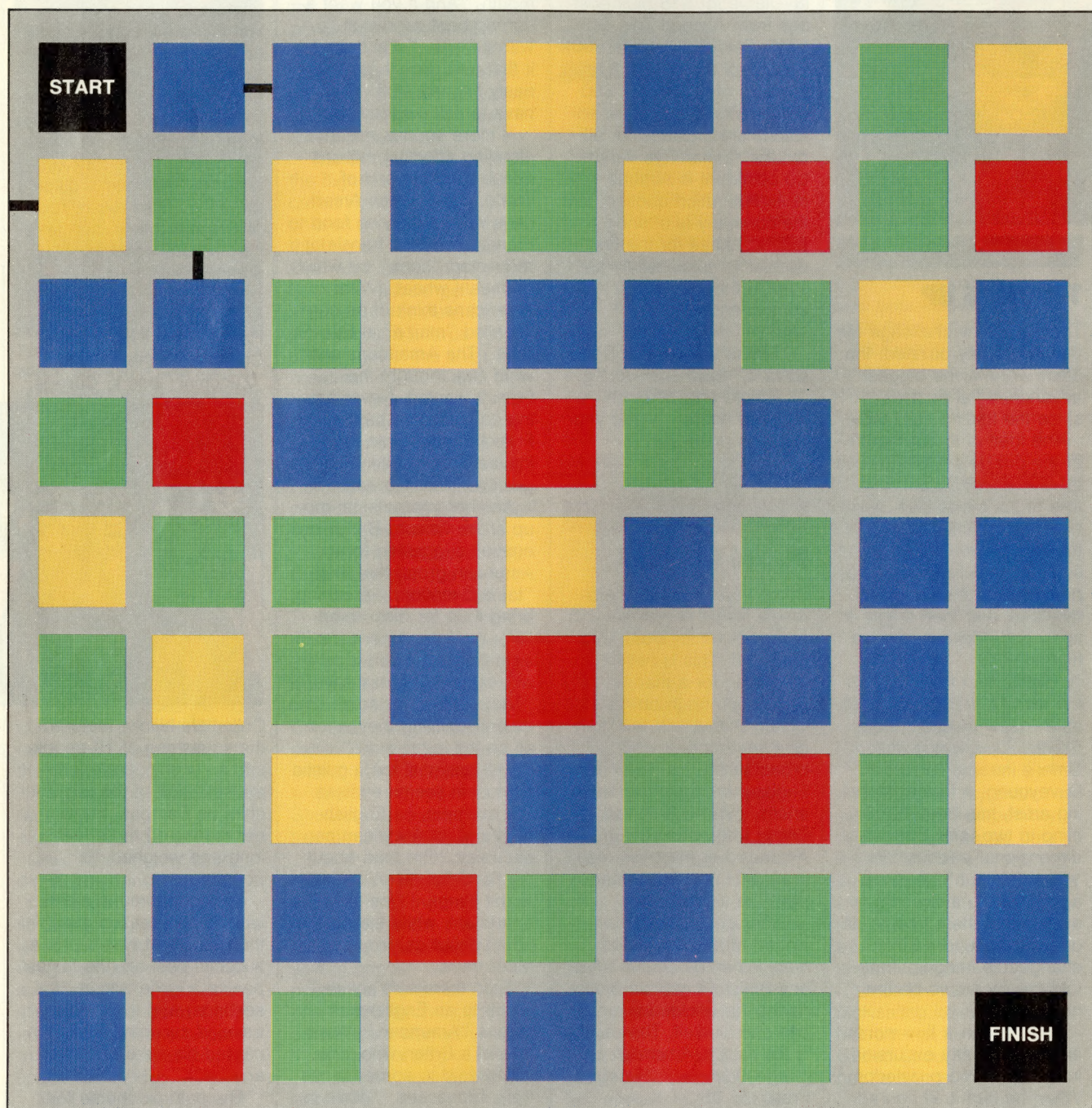
Less sophomoric stunts included a greased zucchini throw (50 feet was tops); a zucchini peel-off (the fastest peeled a large one in 20 seconds) and the farthest-traveled zucchini. One man carried his zuke to Vienna and back.

The patriotic theme for this year's festival (to be held August 23) is "Zucchini Across America." Anyone who brings a zuke shaped like the U.S. or Ronald Reagan gets in free—so start searching today.





—Joanne Morici

INVISIBLE MAZE

★
BY WAYNE ROBERT WILLIAMS



This maze may look absurdly easy, but hold on—all is not as it seems. The passageways around and between the colored boxes are beset by *invisible barriers* that you cannot cross as you travel from Start to Finish. Here's where the barriers are:

To the immediate *right* of every blue box;  Directly *below* every green box; and 
To the immediate *left* of every yellow box;  Directly *above* every red box. 

To get you started, we have drawn in three of the barriers in the upper left of the maze.

Though you may be tempted to make the rest of the barriers "visible" as well, we suggest you first enter the maze "blind" and try to get through without using a pencil.

ANSWER, PAGE 64

Wayne Robert Williams is senior editor of the Dell Champion series of puzzle books and Superstar Crosswords.

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A FRUITFUL EXPERIENCE ★

by Ivie Roberts

Call it sour grapes, if you will, but Ambrosia, Blossom, and Chiquita all claimed that they didn't care a fig about losing at the Orange County Fruit Festival Talent Night.

During the evening each of the young women had sung her favorite song—"Blueberry Hill," "I've Got a Lovely Bunch of Coconuts," and "Lemon Tree." But anyone who knows the fruit business knows that it is not without its dangers, and each of the women also had a "run-in" with a piece of fruit—a cherry, a tomato, and a banana.

Use the clues to deduce who sang what song, and what fruit was responsible in each case for making the evening a "fruitful experience."

1. The "Blueberry Hill" singer slipped on a banana peel while making her way onstage.

2. Chiquita, who had taken a first-aid course, was able to come to the aid of the "Lemon Tree" singer, who choked on a cherry pit in the middle of her song.
3. "Everybody's a critic," said poor Ambrosia, after she was hit by a flying tomato during her song.

GARDEN PLOT ★★

by Dodi Schultz

Old MacDonald had a farm. His four offspring—Holly, Ollie, Polly, and Wally—do not. The young MacDonalds are all suburbanites, and each has set aside a small backyard area where he or she raises two of the four vegetables mentioned in the first clue. Each also grows two of the following three herbs: basil, chives, and rosemary.

From the following facts, you should be able to find the vegetables and herbs raised by each of the weekend farmers.

1. All four grow different combinations of vegetables, and none grows both beans and lettuce or both peppers and tomatoes.
2. Polly and Wally don't grow any of the same vegetables, but they grow exactly the same herbs; Wally does not grow peppers.
3. Three of the four MacDonalds grow basil; Holly, who grows peppers but not beans, has no basil in her garden.
4. Ollie grows rosemary.
5. At least two of the four young MacDonalds grow chives.

HOLIDAY GOURDGE ★★★

by Virginia C. McCarthy

When Uriah, Virgil, Waldo, Xanthippe, Yvonne, and Zeno put their heads together to make plans for their upcoming holiday, they decided on a thematic potluck dinner. Each was to cook up a different member of the gourd family (cantaloupe, cucumber, pumpkin, squash, watermelon, or zucchini) in a different elegant style (compote, flambé, glacé, mousse, paté, or soufflé). The dinner was held at Zeno's house. When the great gustatory day arrived, Zeno placed his dish on the table; then his guests followed suit by placing their dishes clockwise around the table in the order of their arrival. Given that their last names are Cramm, Stuffe, Bolte, Woolf, Craw, and Gullett, can you find, from the clues below, their full names, who brought what dish, and the placement of their dishes around the table?

1. Two men arrived consecutively—bringing first the squash dish, then the mousse.
2. Ms. Bolte arrived sometime before the flambé and immediately after the cucumber dish (which was not made by Zeno).
3. The watermelon dish was two places to the left of the glacé.
4. Uriah (whose last name is not Stuffe) arrived before both Craw and the pumpkin dish bearer.
5. Xanthippe, who was the last to arrive, had to put her offering right between the soufflé and the dish brought by Gullett.
6. Waldo's dish was two places to the left of Yvonne's.
7. Virgil's dish was located right between the Woolf concoction and the compote.
8. The zucchini dish was brought by a guest.

STILL LIFE ★★★★★

by J. Mark Thompson

Five artists—Godula, Hueltgen, Iddings, Jasso, and Karadimitris—lived one per floor in a five-story building. One day they met in the fruit market, while collecting subject matter for still lifes they planned to paint. When the paintings were done, they met again to compare and discuss their work.

From the clues below, deduce where each man lived and what fruits were in each painting.

1. Kiwis, mangoes, nectarines, pineapples, and strawberries were each depicted in only one painting. The other fruits—apples, bananas, grapes, oranges, and pears—were each used in two or more paintings. The average number of types of fruit in a painting was 3.6.
2. The only artist whose painting depicted five types of fruit felt that the mangoes in the painting by his upstairs neighbor were romanticized, and that the kiwis in the painting by the artist a flight farther up suffered from the pathetic fallacy.
3. Godula disparaged the pineapples in his downstairs neighbor's work; the strawberry artist, Godula's upstairs neighbor, agreed that they were ambiguous.
4. Hueltgen panned his downstairs neighbor for including both nectarines and apples in his work, which he felt was nihilistic.
5. There were two paintings that depicted oranges; one of them was by the artist who lived just below Iddings, who called its combination of apples and oranges too didactic. The second orange artist lived a floor below the first, but they used no other fruits in common.
6. The artists who depicted bananas also depicted grapes. Another artist, the only one to use as few as two kinds of fruit, claimed this showed a "bourgeois indifference to the plight of migrant fruit workers." Neither he nor his upstairs or downstairs neighbors depicted pears, which he called "trendy."
7. Karadimitris had no objection to the content of his upstairs neighbor's work (in fact, his own had only one fruit that the other's lacked, and vice versa), but criticized its "unrealistic realism."

ANSWERS, PAGE 58

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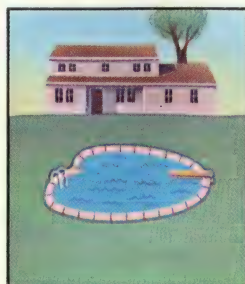
—B. S., Yuma, Arizona

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—R. J. F., Sacramento, California

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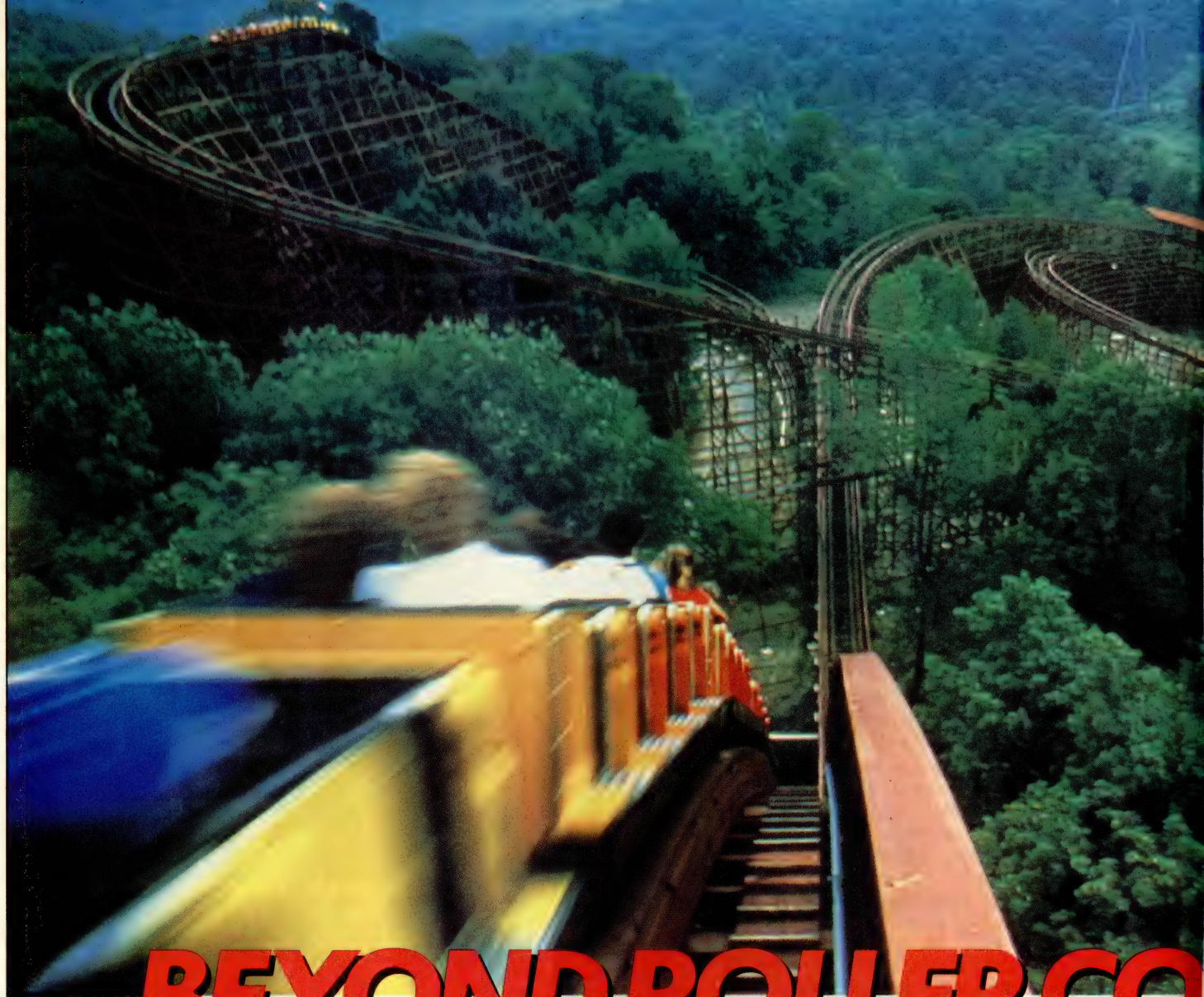
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BEYOND ROLLER CO

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Higher. Faster. Scarier. Those are the bywords of America's brand new generation of gut-wrenching amusement park rides that are packing 'em in all over the country. Naturally, they're not for everyone. Lots of folks consider it sheer lunacy even to set foot on these mechanical monsters. But increasing numbers of people not only ride them but go back to repeat the thrills.

All the operators of the country's most scarifying rides claim that theirs is the longest, fastest, and tallest, and delivers the most holler for the dollar. This competition to be recognized as the most terrifying ride on earth is waged with considerable zeal—and cash. Today's breed of hi-tech, exotic scream machines are taking the old-fashioned roller coaster to new heights. Equipped with computerized fail-safe systems, they feature sheer drops, diz-

zying loops, and convolutions that would give a contortionist cramps. Not only have these attractions grown wilder, they've also grown wetter: Many amusement parks include water rides, such as Roaring Rapids at Great Adventure in Jackson, New Jersey.

But a few traditionalists aren't thrilled by the current crop of coasters. Mark Wyatt, of the Delaware chapter of American Coaster Enthusiasts, feels that "wooden coasters are the best and scariest. The steel ones are just too smooth, there are too many safety devices and restraints, and you have too much of a closed-in feeling." Among Wyatt's favorites are The Cyclone at Riverside Park in Agawam, Massachusetts, the Comet at Crystal Beach Park in Crystal Beach, Ontario, Canada, the

Texas Cyclone at Astroworld in Houston, Texas, and The Beast at Kings Island, near Cincinnati, Ohio.

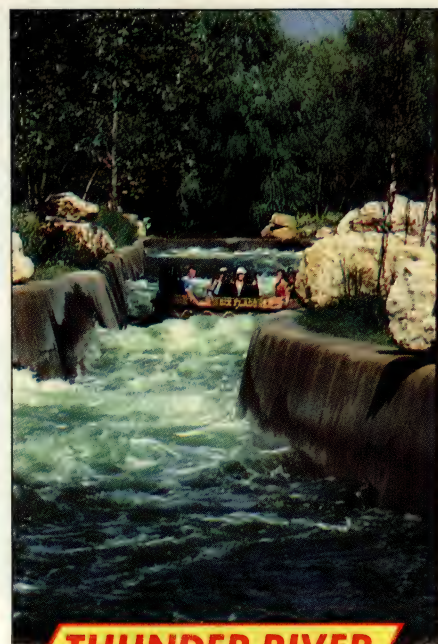
Roller-coaster addicts like Wyatt spend entire summers going from park to park, trying all the rides. But they are only a small fraction of the millions of thrill-seekers who spend their leisure time—and their money—on this special kind of amusement. The heavy traffic has encouraged no less than Walt Disney Productions to invest heavily in thrill-ride manufacture. The price tag for the Big Thunder Mountain Railroad at Florida's Walt Disney World—approximately \$20 million—is more than it usually costs to construct an entire amusement park. But the Disney folks got their money's worth: The ride's runaway train twists, turns, and careens past red stone buttes, an old mining town, flash floods, and rock slides. And Big Thunder Mountain it-

BY STEPHEN BIRNBAUM

THE BEAST

**Kings Island
Kings Island, Ohio**

The Beast's 7,400 feet of track make it one of America's longest rides—and one of the most harrowing. A complete circuit takes four minutes (though it seems like a lifetime), providing ample time for riders to make promises aplenty to the deity of their choice. Along the course, there's one hill—"the longest in the world"—that reaches a height of 141 feet, and a 540-degree helix. And if this isn't calamitous enough, 800 feet of tunnels and a swirling trajectory should do the trick.



THUNDER RIVER

**Six Flags Mid-America
Eureka, Missouri**

This ride recreates the excitement of white-water rafting, as riders spin through 1,100 feet of churning rapids. Its pumping machine creates heavy waves that send riders past waterfalls and canyon walls, thoroughly soaking them.



ASTERS

Thrill Rides Around

self, though manmade, is the tallest peak in Florida.

The diabolical Disney engineers have also demonstrated that height and speed are not the only elements that can make a coaster ride scary. Space Mountain, unique among rides, is particularly terrifying because it is operated entirely inside a dark building. This controlled environment allowed its designers to create their most sadistic effects. At the start of the ride, for example, riders are hurled into an inky blackness, adding fear of the unseen to the already frightening thought that the falling may never stop.

Where should you go this summer to have your stomach churned? To any of America's top thrill rides described on these pages. Some are traditional wooden coasters, others are the newest gleaming variations; all are designed to alter your normal metabolic activity.



DEMON DROP

**Cedar Point
Sandusky, Ohio**

Those who enjoy more precipitous confrontations should opt for the Demon Drop. Forget about the calm preamble found in most rides, this one simply drops participants straight down a 100-foot tower. Blessedly, a slope toward the bottom brings free fallers smoothly down to safety.



CORKSCREW

**Cedar Point
Sandusky, Ohio**

The Corkscrew is a roller coaster with one vertical loop and two of the corkscrew variety. Spectators walking under it are almost as stupefied as the riders.



SKY JUMP

**Knott's Berry Farm
Buena Park, California**

If you want to know what it feels like to jump out of an airplane, try the Sky Jump. This 200-foot high parachute drop allows daredevils to fall at 24 feet per second.



LOOPING STARSHIP

**Six Flags Great Adventure
Jackson, New Jersey**

Last year Great Adventure added a sort of giant Viking ship called Looping Starship, which goes both forward and backward, and then makes a series of complete loops, creating the exciting sensation of sudden speed changes combined with rocking motions and the feeling of weightlessness that accompanies the ship's 360-degree swoops.

And while you're at Jackson, don't miss Lightnin' Loops (not shown). This loopy coaster provides the very convincing, very unnerving illusion that the coaster car you're riding is about to collide head-on with another.





MONTEZOOMA'S REVENGE

**Knott's Berry Farm
Buena Park, California**

Montezooma's Revenge may not be the most frightening of this country's thrill rides, but it has the most appropriate name for a diversion designed to wreak havoc on the human anatomy. This was Southern California's first backward roller coaster.



BIG BAD WOLF

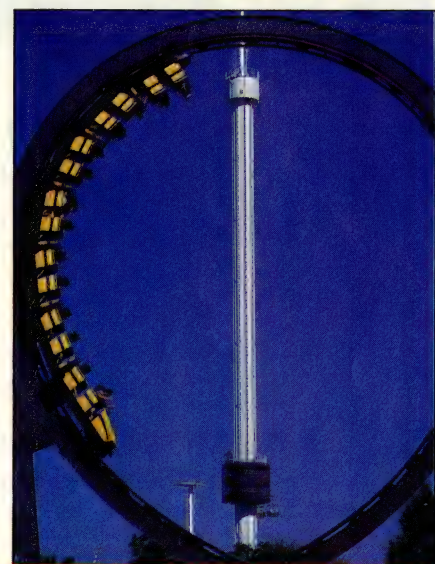
**Busch Gardens
The Old Country
Williamsburg, Virginia**

The Big Bad Wolf is a roller coaster with enough speed, curves, and drops to make the trip barely bearable. Some experts say this new ride is even more petrifying than the Loch Ness Monster (see page 17) because its cars, instead of sitting on a track, are suspended from a track above the riders, thus eliminating the rider's security—a point of visual reference.

SHOCKWAVE

**Six Flags Over Texas
Arlington, Texas**

The Shockwave reaches speeds of almost 60 m.p.h. as riders are spun upside down through two separate 70-foot loops in quick succession. At one point, the single-track coaster climbs 116 feet before hurtling its passengers on a seemingly endless run of twists and turns.



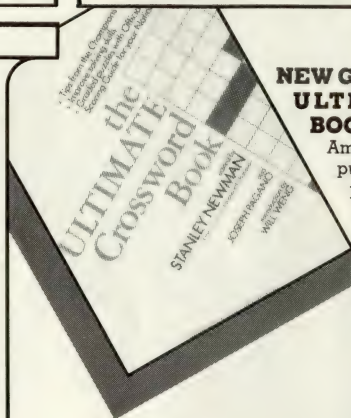
GREEZED LIGHTNIN'

**Astrworld
Houston, Texas**

For sheer G-force endurance, the cyclonic thrust of the ride called Greezed Lightnin' gets high points. Passengers go from zero to 60 m.p.h. in a blood-curdling four seconds, reaching a maximum acceleration of about six times normal gravity. After surviving the initial thrust, riders must endure an upside-down trip through an 80-foot-high loop, after which they're shot up a ramp to a height of 138 feet. From there, gravity takes the cars on a backward run of the track.

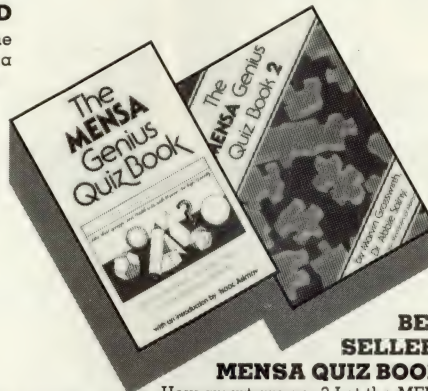


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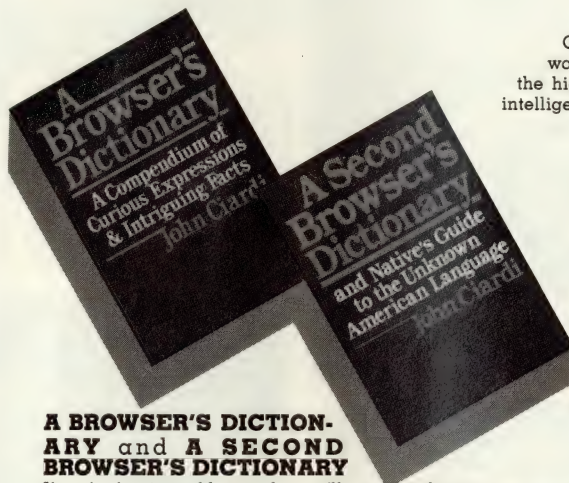
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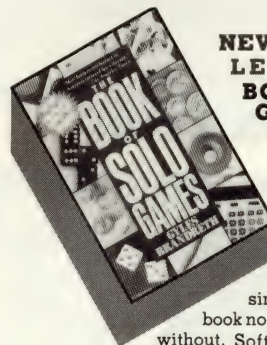
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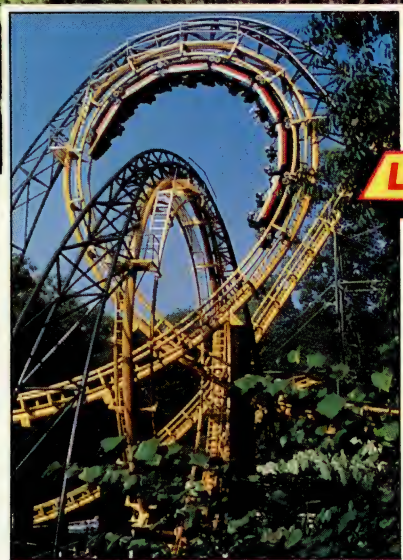
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LOCH NESS MONSTER

**Busch Gardens
The Old Country
Williamsburg, Virginia**

Among the most terrifying rides is the Loch Ness Monster. Any relationship between this lunatic ride and nearby Williamsburg's staid colonial restoration is purely coincidental. Not satisfied with a combination of high speed and serpentine loops and drops, the designers of the Monster have included a building through which the car zooms in total darkness.



Z-FORCE

**Six Flags Great America
Gurnee, Illinois**

Six Flags—already boasting the American Eagle, an exceptionally fast roller coaster (66 m.p.h.); the Demon, which passes through two tunnels filled with eerie special effects; and the Tidal Wave, a giant loop—also has what they term “the ultimate coaster.” Called Z-Force, it plunges riders downward in a series of six vertical turns. Six Flags claims it's the only one of its kind in the world, and no doubt riders who have experienced its heart-stopping effect hope so.

Stephen Birnbaum is the editorial director of Diversion magazine, as well as the creator and editor of the Birnbaum Travel Guide series. He is also the travel editor of Good Housekeeping magazine, writes a syndicated travel column, and is the resident travel expert on ABC's "Good Morning, America."



COLOSSUS

**Six Flags Magic Mountain
Valencia, California**

At one time, the Colossus at Magic Mountain was billed as the world's longest and fastest roller coaster. While its preeminence has been margin-

ally eclipsed, it's still guaranteed to rattle your bones as it travels a harrowing 4,250 feet, falling from heights as high as 115 feet at speeds up to 62 m.p.h. Two tracks run side by side, and two drops give riders the sensation of weightlessness.



CHOOSE THE REAL STORY LINE BEHIND EACH SCENE



by Margot Seides

When *I Love Lucy* premiered on national television in 1951, the critics raved. There's still a lot to love about Lucy, and since this month marks Lucille Ball's 75th birthday, we've decided to celebrate.

The photos on these pages show the wacky one in some of her most outrageous escapades. Can you figure out the real story line (A, B, or C) that goes with each photo?

ANSWERS, PAGE 60



2

1

A. Lucy has a chance to appear in a TV commercial for a health tonic. After repeated rehearsals, she gets totally bombed because Vitameatavegamin contains 23 percent alcohol.

B. Lucy intercepts a set of dog X-rays and, thinking they're hers, assumes she has tapeworm. She hurries to the drugstore and ingests a few bottles of Vitameatavegamin in the hope of curing herself.

C. To pay for a new hat, Lucy takes a job at a supermarket demonstrating Vitameatavegamin. Little Ricky accidentally spills the tonic and secretly replaces it with floor wax.



1



3

A. A hypnotist at a Hollywood nightclub accidentally implants in the Ricardos' minds the suggestion that "you'll go overboard at the smell of chocolate." The next day, at a poolside café, Ricky and Lucy jump in the pool when a waiter passes by carrying a tray of hot cocoa.

B. Lucy and Ricky lose their invitation to a fancy poolside party at Anthony Quinn's home. When the guard at the gate won't let them in, they sneak over the fence and land right in the pool.

C. A press agent thinks he can get Ricky a mention in Hedda Hopper's column if he can save a drowning woman (Lucy) at the hotel pool. Thinking that they see one of Hopper's fancy hats behind the wall, the pair go through their act, only to discover that what they saw was a waiter carrying a bowl of fruit.



3

A. Lucy and Ethel lie about their real teeth to get jobs as testers for a denture adhesive company. Naturally, the girls are quickly fired and, to Ricky and Fred's delight, are unable to open their mouths for three days.

B. In an effort to prove to Ricky and Fred that they can bring home the bacon, Lucy and Ethel get jobs as wrappers in a candy factory. Not able to keep up with the conveyor belt, they stuff candy into their mouths, hats, etc.

C. Lucy and Ethel get a job evaluating flavors of dog food. This one is Liver Chunks 'n' Gravy. The woman in the middle (actually Bea Arthur in her first role) is barking because, having worked there for 10 years, she thinks she's a dog.



4

A. Ricky is supposed to present a loving cup to a champion jockey, but when he makes fun of Lucy's new hat, she puts the cup on her head as a joke. When she can't get it off, Ricky has to present the cup with Lucy still attached to it.

B. Lucy tries to read some writing on the inside of an old trophy sent to Ricky by his mother. The trophy gets stuck on her head, but she's afraid Ricky will kill her if she breaks it. The fire department finally arrives on the scene to remove it.

C. At a museum, Lucy bends to examine a fanciful urn and is bumped from behind, falling into the urn headfirst. Unable to remove it, she and Ethel disguise it as a turban with a scarf. Here they are back at Lucy's apartment, before being arrested as art thieves.

A. Ethel tries her Home Beautifying Makeup on Lucy. When it hardens, Lucy can't move her face or talk. The gentleman who sold Ethel the makeup tells them that it will take three days for the makeup removing cream to arrive from Cincinnati.

B. Lucy takes up sculpting, and Ricky brings an art critic home, hoping to convince her that she has no talent. To prove Ricky wrong, Lucy encases her head in a thin layer of clay. Of course, the critic is impressed and tries to buy Lucy's head.

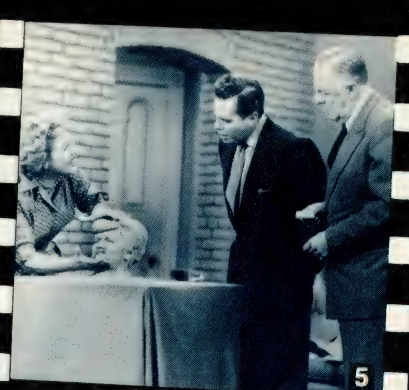
C. Lucy helps Ethel win an art contest by posing as a sculpted head. The judge of the contest comes to the apartment to see the sculpture and is about to award Ethel first prize, when Lucy has a sneezing fit.

6

A. Lucy sprains her wrist while dusting, and when her X-rays are mixed up with another patient's, Lucy is told that she has an incurable illness. Her only chance is to be frozen in hope of a future cure. Just as she's turning into a "human ice cube," Ricky and Ethel get the good news that it has all been a mistake.

B. When the Ricardos and the Mertzes tour a submarine, Lucy gets trapped in the laundry room where a berserk washing machine is spewing froth, turning her into a "human soap bubble."

C. Lucy and Ethel think they can save on household expenses by buying a huge walk-in freezer. When Lucy tries to remove the \$483 worth of meat they bought before Ricky finds it, she gets locked in, turning into a "human popsicle."



7

A. The Ricardos and the Mertzes go on a trip and stay at a fancy hotel. When Ethel says she lost her wedding ring down the sink, Lucy volunteers to dismantle the pipes to find it—only to discover that Ethel didn't drop the ring down the sink after all, she just misplaced it.

B. Lucy and Ethel make a bet to see who can redecorate her apartment for less money. Lucy tries to refinish some old furniture herself, and gets covered with varnish. Here, in Ethel's apartment, she learns that Ethel bought two rooms of elegant furniture for \$15 at a garage sale.

C. To prepare for a role in an Italian movie, Lucy decides to soak up some local color by getting a job stomping grapes. Later, she learns that the director wanted her to appear as a typical American tourist, but since most of her body is stained blue, she doesn't get the job. Ethel does.

8

A. When Lucy and Ethel decide to audition for a Space Munchies cereal commercial, Lucy mixes up the addresses and winds up "auditioning" for the magazine staff that was going to profile Ricky.

B. Lucy and Ethel answer an ad to do a publicity stunt involving a new movie, *Women From Mars*. Dressed as Martians, they "invade" the top of the Empire State Building, and are so successful that the stunt makes headlines and the girls make \$500.

C. Lucy and Ethel get a job selling honey candies in bee suits provided by the candy company. When a spectator gapes in astonishment, Lucy pops a candy right into her mouth.



A GEOLOGICAL SEQUENCE PUZZLE ★★

YOSEMITE

"You will be willing to stay forever."

— John Muir

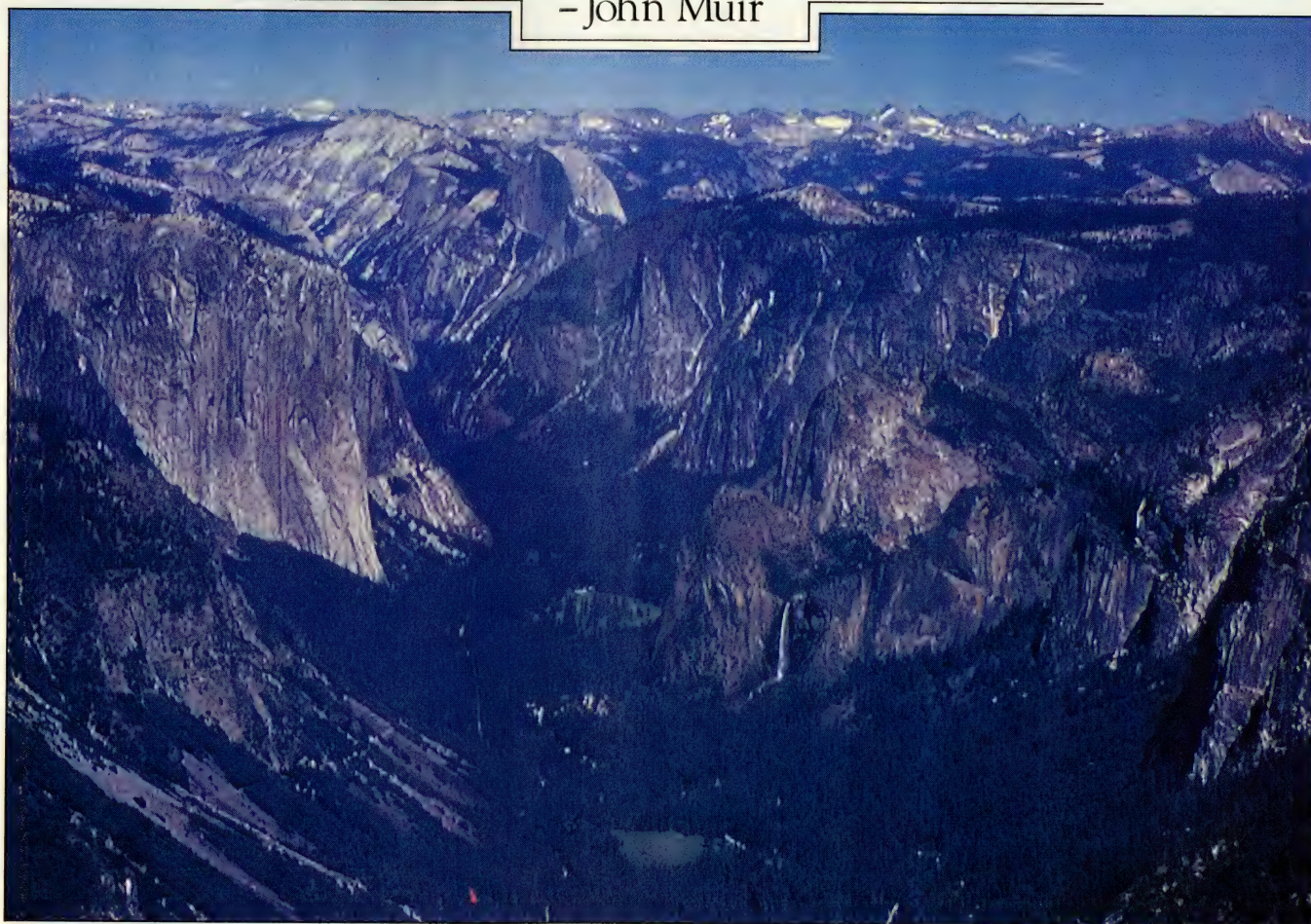


Photo: Brian Harry. Paintings: Herbert A. Collins, Sr. and Jr. Courtesy Yosemite Collections, National Park Service.

The photo above shows Yosemite National Park as it is seen today by almost three million visitors each year. That's Bridalveil Falls on the right, toward the foreground, El Capitan farther back on the left, and Half Dome at the far end of the valley.

Some 60 million years ago, this mountain valley with its sheer cliffs, thundering falls, and giant sequoias was part of a coastal lowland. The six paintings at right depict the evolution of Yosemite over the past 15 million years. Can you put them in chronological order?

ANSWER AND EXPLANATIONS, PAGE 62

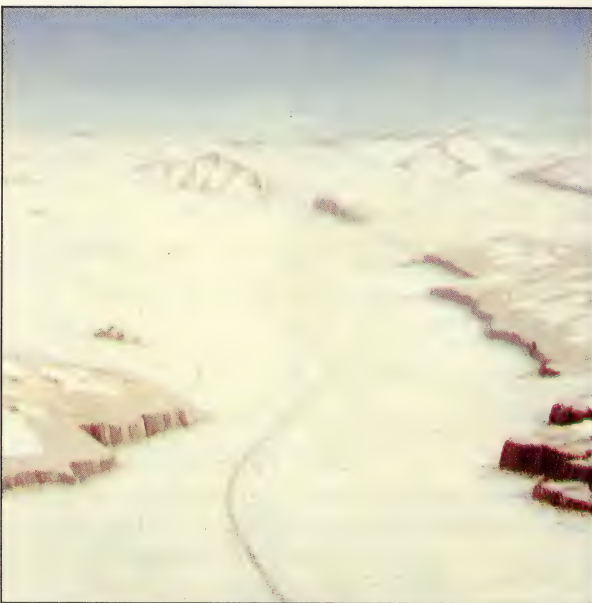
A



B



C



D



E



F



CALL OUR BLUFF TRIPS

The Polite Fantastic



BY SCOTT MARLEY

When our good friend Jeremy Piltdown made a formal call on us recently, we knew by his engraved visiting card and his tan kid gloves that something was up. Jeremy has been studying the complicated rules of etiquette of Victorian America, and it's gone to his head. He left with us the assortment of social dictates below, saying that they were all taken from American etiquette books of the 1880s. But knowing Jeremy's penchant for practical joking, we're certain he's slipped in a few phonies to keep us on our toes. Can you save us from social impropriety by spotting the fakes?

ANSWERS, PAGE 64

❖ 1 ❖

Conspicuous inattention is an insult to the speaker, and, therefore, you should not ask the repetition of a sentence, unless your hearing is defective, or you have some other good excuse.

❖ 2 ❖

Sherbets and iced creams are properly eaten with the fork alone, and so, must be served well chilled. Using the spoon to gather the melted liquid left behind betrays a greedy nature.

❖ 3 ❖

Gentlemen never invite a lady to any public amusement on the spur of the moment. The day before is the shortest notice that should be given, and when the gentleman is inviting the lady for the first time, he must include another lady or member of the family.

❖ 4 ❖

Unmarried ladies will not dance more than twice with one gentleman, because doing so will suggest a particular attraction.

❖ 5 ❖

It is a rare gentleman who so dishonors his dinner as to eat at a mid-afternoon party. But a lady seldom refuses an ice or oysters, and not infrequently she partakes heartily of a sumptuous entertainment.

❖ 6 ❖

Pausing to examine the contents of a store window evinces bad taste; you can visit the store at any time whenever you desire to make purchases.

❖ 7 ❖

The host should make available two closets for the hats and outer garments of arriving guests, one for the gentlemen's garments, and one for those of the ladies. If two are not available, opposite ends of one closet may be used, taking care that the men's and ladies' clothing do not mingle.

❖ 8 ❖

Before dessert, finger glasses containing rose water may be placed on each guest's left hand, though the present mode is for the perfumed water to be taken around in a deep silver dish, each person, in turn, dipping the corner of his napkin into it and wetting the fingers and lips.



9

Gentlemen will not swing their arms, nor sway their bodies in an ungainly manner when walking; ladies are never guilty of any such ungraceful action, and need no counsel in that respect.

10

Before going abroad, or on a long journey, you should either call in person upon all your friends or send visiting cards. Upon your returning home, your friends must first call upon you. You may with propriety drop the acquaintance of those who neglect to do so.

11

When the dinner is concluded, replace the silver at the sides of your plate as you found it, first removing any fingerprints or traces of food with your napkin. This will help to preserve the silver and save it from tarnish.



12

In crossing the street, a lady should gracefully raise her dress a little above her ankle with one hand. To raise the dress with both hands is vulgar, except where the mud is deep.

13

None but the uncultivated would offer a partner in the dance an ungloved hand, as it savors of intentional disrespect.



14

Gentlemen indicate the brevity of a formal call by holding their hats and gloves. The cane or umbrella may be left in the hall. Ladies need not remove their gloves, and they retain their parasols while they remain.

15

The bridal veil may be thrown back from the face of the bride at the altar, by the groom, if he pleases; but it is not now considered quite reverent or respectful for him to kiss her thus publicly. A delicate woman always rebels against the now disused formality of kissing in the church, and it is pleasant to announce this habit as one of the obsolete customs of public marriages.



16

Near relationship, or very closest intimacy, will alone excuse a young unmarried lady speaking in the street to a gentleman; she should bow slightly and pass on.

17

Continued references to experiences "During the War," or "While I was down South," or "When we were in Europe" should be avoided. These sentences suggest affectation.

18

Should a lady accost a gentleman on the street when he is smoking he will at once extinguish his cigar, and decline politely but firmly to resume it, even though the lady should urge him to continue.

19

When leaving one's visiting card at the home of an acquaintance, the circumstances of the visit may be conveyed by turning down the corners of the card. The upper right corner turned indicates the card was left by a man; a woman may turn the upper left corner of her card. The lower left corner turned tells that the visitor desires to end the acquaintance. The lower right corner may indicate either a proposal of marriage or the acceptance of such a proposal, depending on whether the card is left by a man when calling on a woman or the opposite.



20

When setting the table for a dinner party, on the right of each space, place at least four glasses, as it is a great breach of etiquette, as well as a sign of vulgarity, to drink more than one kind of wine out of a glass.

.....
Assistant Editor Scott Marley never eats his peas with a spoon.

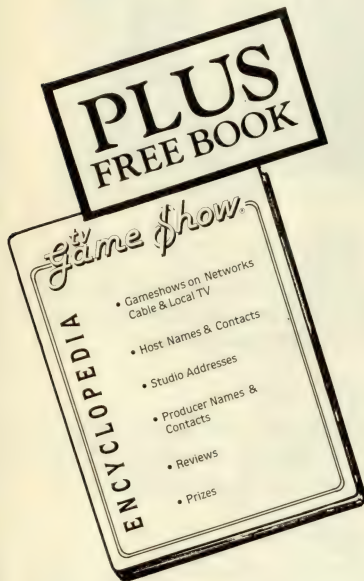
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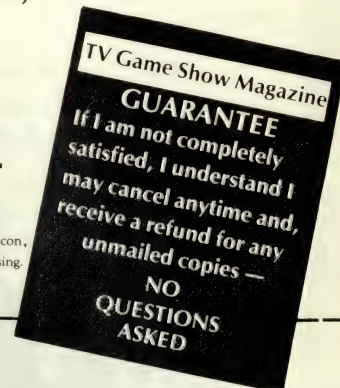
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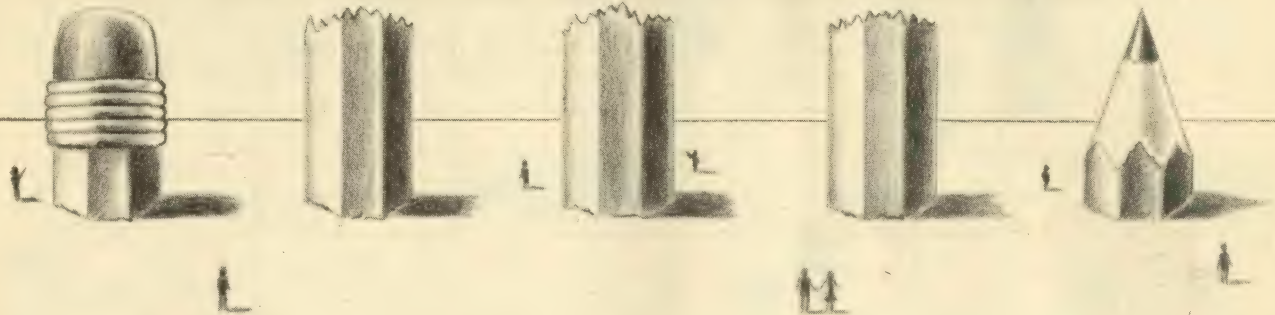
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PENCILWISE



MARCHING BANDS ★★

BY MIKE SHENK

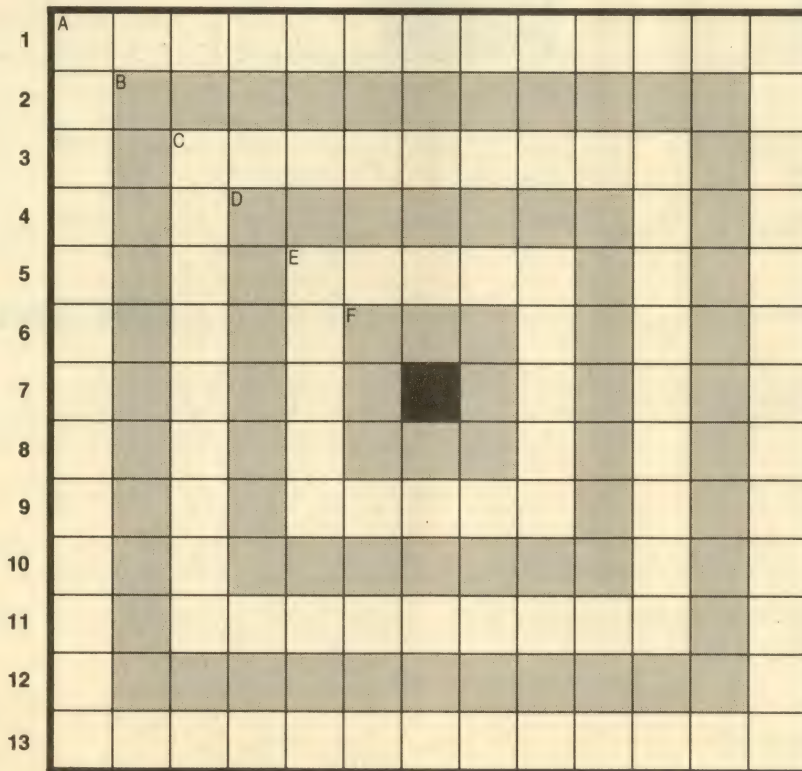
The words in this puzzle march around the grid in two ways. In one formation ("Rows"), words march across—two words for each numbered line, reading consecutively from left to right. The dividing point between these answers is for you to determine, except in row 7, where the words are separated by a black square. In the second formation ("Bands"), words march around each of the six shaded and unshaded bands, starting at the lettered squares (A, B, C, D, E, and F) and proceeding in a clockwise direction, one word after another.

For example, Band "A," when filled, will contain seven consecutive words (a through g) starting in square "A" and reading around the perimeter of the grid. Band "B" will contain a series of six words (a through f) starting in square "B." Again, the dividing point between these answers is for you to determine. All clues are given in order. When the puzzle is completed, each square in the grid will have been used once in a Row word and once in a Band word.

ANSWER, PAGE 64

ROWS

- 1 a Obscured by fog
b Pompously intellectual
- 2 a Like better
b Rosy
- 3 a Interoffice note
b Don Pardo or Johnny Olsen
- 4 a Agency of the United Nations
b Tidal wave
- 5 a Convene again
b Angelic babes
- 6 a Fantasy world creatures
b Moderate orange color
- 7 a Storybook sailor
b Overrun
- 8 a ____ Van Gleason III (Jackie Gleason role)
b Caravan stopover
- 9 a Like some typing paper
b B. B. King's music
- 10 a January birthstones
b Black Sea port



BANDS

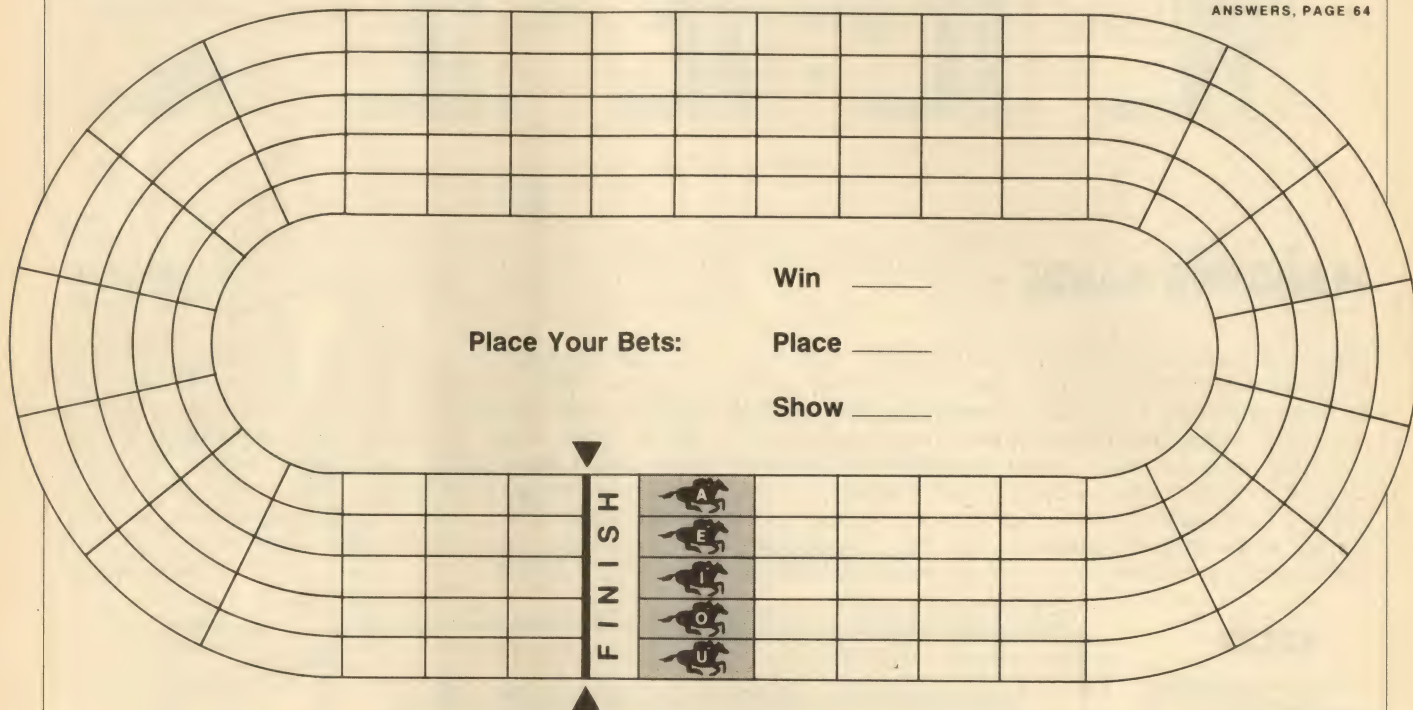
- 11 a Pends
b Boisterous merrymaking
- 12 a Famed lexicographer
b Personal strong points
- 13 a Peculiarity
b Car from Japan, e.g.

- A a Struck the wrong key
b Evil personified
c Written theme
d Razor-sharpening aid
e Botch the telegraph message
f Wealthy widows
g High card
- B a Alluded (to)
b Divests of real existence
c Slowing-down rocket
d Worries
e Warning word
f "Goodnight" girl
- C a Make wailing sounds
b Person, place, or thing
c Soviet region
d Voting booth items
e Pageant crown
f Another fantasy world creature
- D a Highlanders
b Peerless
c Open to view
- E a Engraver
b Dynamite inventor
c Hackneyed
- F a Flavorful
b Lass's sibling

Ladies and gentlemen, the horses are at the starting gate. Pick your favorites (A, E, I, O, or U—this is purely a matter of luck) and you're ready to begin. Answer the clues below the racetrack and enter the answers in the blanks at their right. Vowels go in blanks with numbers; consonants go in blanks without. Next, advance each horse counterclockwise on the

track the number of spaces indicated below the corresponding vowels in the answers. For example, if the vowel A appeared above the number 4, you would cross out four spaces of A's lane in the track. The position of the horses at the end of the puzzle determines their order of placement. Solving hint: All the answer words have something in common.

ANSWERS, PAGE 64



1. Riddle

C 2 4 N 5 M

2. Breach, as of the law

V 4 3 3 T 6 2 N

3. Envoy

2 B 3 3 D 4

4. Mouseketeer Annette

F 6 5 4 L 2

5. "Nonsense!"

F 5 4 S 6 K

6. Alp famed for mountain climbers

5 T 6 R 3 N

7. Kings of the road

2 B 1 6

8. Financier J.P.

3 G 5

9. Without qualification whatsoever

4 B 2 L 6 T 5

10. Whaler's missile

4 R 3 3 N

ACROSS

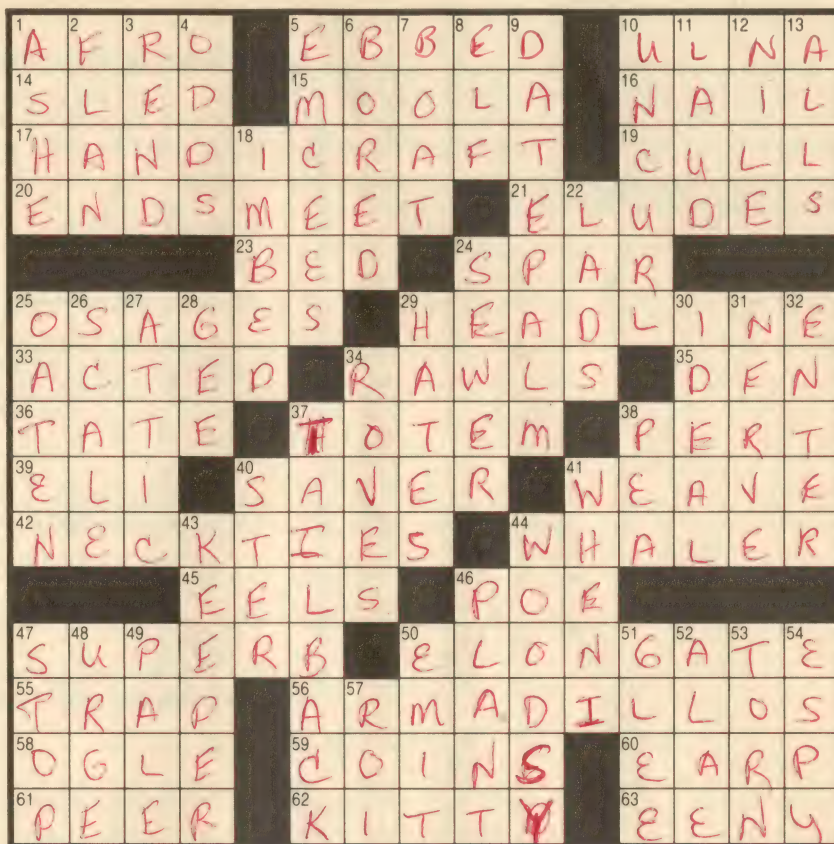
- 1 Frizzy hairdo
5 Receded, as the tide
10 Bone next to the funny bone
14 Winter vehicle
15 Money, informally
16 Hit the ____ on the head

- 17 Needlepoint or pottery, e.g.
19 Select
20 Make ____ (live within one's means): 2 wds.
21 Avoids capture
23 Mattress site
24 Boxing match
25 Siouan people
29 Newspaper attention-getter
33 Played on stage
34 R&B singer Lou
35 Lair
36 London art gallery
37 ____ pole (Indian carving)
38 Saucy
39 Inventor Whitney
40 Bank patron
41 Make braids
42 Four-in-hands
44 Captain Ahab, for one
45 Slippery fish
46 He wrote *The Raven*
47 Splendid
50 Extend
55 Word after mouse or speed

- 56 Nine-banded animals
58 Amorous look
59 Nickels and dimes
60 Lawman Wyatt
61 Look through a slot
62 Poker pot
63 ____, meeny, miny, moe

DOWN

- 1 Arthur of tennis
2 Custard-filled tart
3 Tear
4 '84 film *Against All ____*
5 Game show hosts
6 ____ stiff (uninterested)
7 Yacht or dinghy
8 One of Santa's helpers
9 Tropical tree: 2 wds.
10 Straighten, as hair
11 Praise
12 Blue or White river
13 ____ *Well That Ends Well*
18 Place into: Var.
22 Partners for lassies
24 Waste duct
25 Made of straw
26 Weight measurer
27 Garret
28 "____ whiz!"
29 Loathes
30 Perfect



ANSWER, PAGE 64

- 31 Chutzpah
32 Opening stage cue
34 Wanders
37 Football position
38 Item in a pod
40 Suffix with gang or hip
41 "____ was a boy ...": 2 wds.
43 Zoo official
44 Like a forest
46 Factory
47 Eight-sided sign
48 Egg on
49 Turn white with fear
50 Give off
51 ____ club (choral group)
52 Anatomical wings
53 '77 song "____ Between Two Lovers"
54 Catch sight of
57 King: Fr.

WHAT IN TARNATION! ★

BY ANDREA CARLA MICHAELS

A good vocabulary will pave your way to success on this quiz. Each clue leads to a word beginning with the letters T-A-R. For example, the clue "Foot bone" suggests the an-

swer TARSUS, while "Footballer Fran" leads to TARKENTON. If any of the TARS get you stuck, you'll find all the answers on page 62.

- | | |
|--------------------------------|----------------------------------|
| 1. Late _____ | 7. Small pie _____ |
| 2. "Lord of the Apes" _____ | 8. Waterproof canvas cover _____ |
| 3. Bull's-eye location _____ | 9. Sauce served with fish _____ |
| 4. Kilt plaid _____ | 10. Airport runway _____ |
| 5. Loss of luster _____ | 11. Writer Booth _____ |
| 6. North Carolina native _____ | 12. Molière comedy _____ |

A Chess Word Search

This word search has a twist we think will capture your interest. Each of the 30 words and phrases listed below is hidden somewhere within the rank and file of the grid. The twist: All names of chessmen appearing in the list have been replaced

in the grid with the appropriate symbol. As usual, an answer may read horizontally, vertically, or diagonally, but always in a straight line. If you get stalemated while solving, you can always check the answers, page 58.

```

T I S Y      A L ♖ L      A ♙ C H
E Q U R      E R S B      S Y O A
D R D U      O F H N      ♔ E I G
H E L B A T D N U O R E H T F O S ♘
N B R ♚ T S A N P T D D A O J Y
  A E S L W H E R H E D E ♔ S
    T Z T Y I N ♘ E Y W C I
      N ♔ I T N H E A M O ♖ R
        A E C S N B R F B E F A
          C O T O ♚ R R R E P Y E
            ♘ H I L ♔ A I E A C Y
              O R E E S E N C D P L E
                ♙ I ♔ A L D T A Y G S H
                  H D S ♔ I H R N L L E T
                    C E E A I O T ♚ H A E F
                      R R N S F E R A N D ♚ O
                        A S G ♚ M D T H ♘ Y I E
                          T H L E R O M O R S V I
                            E S I A N D N E M ♘ A ♚
                              B ♚ E S H I E L D S T E S A
                                N ♔ R E H T U L N I T R A M D S
                                  L A E C A L S E N N A ♚ U Y S F R O
                                    S ♚ B L E M M ♔ N E H P E T S T H E
                                      R U B A I Y S ♖ I N G G R O U N D S
                                        A T E D I T H R E K O R B ♖ R U D Y

```

ALAN KING

JOEY BISHOP

MARTIN LUTHER KING

QUEEN FOR A DAY

ARCHBISHOP OF

KING COBRA

MEL BROOKS

QUEEN-SIZE BED

CANTERBURY

KING LEAR

NAT KING COLE

'ROOKIE OF THE YEAR

BISHOP DESMOND TUTU

KING OF KINGS

PAWNBROKER

SPAWNING GROUNDS

BROOKE SHIELDS

KNIGHT-ERRANT

PAWNEE INDIANS

STEPHEN KING

BROOKLYN BRIDGE

KNIGHT RIDER

PAWNSHOP

TED KNIGHT

ELLERY QUEEN

KNIGHTS OF THE

QUEEN ANNE'S LACE

THE AFRICAN QUEEN

GLADYS KNIGHT

ROUND TABLE

QUEEN BEE

THE KING'S ENGLISH

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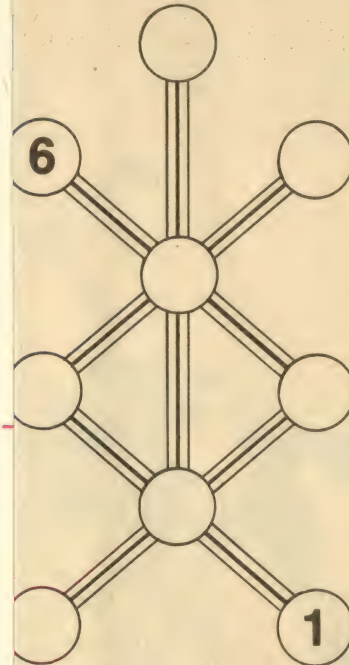
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ANSWERS, PAGE 64

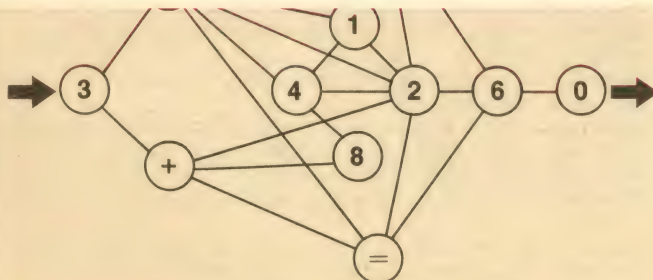
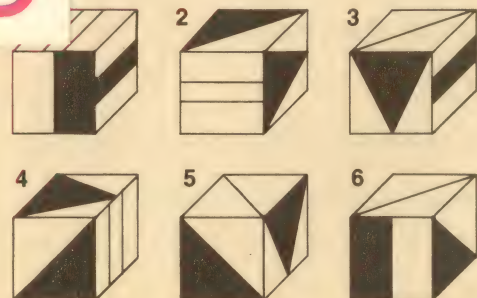
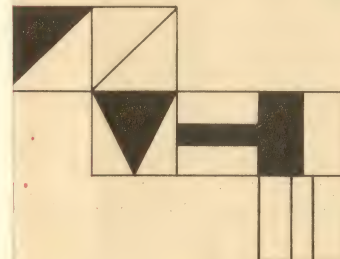
OPEN HOLES

Place the numbers from 1 to 9 in the circles so
that the sum of the numbers in each line of three numbers totals 18?



THE FOLDS

Which of the six cubes below cannot be folded from the



A Chess Word Search

This word search has a twist we think will captivate. Each of the 30 words and phrases listed below somewhere within the rank and file of the grid names of chessmen appearing in the list have

T I S Y
E Q U R
D R D U
H E L B A
N B R ♖
A E S
T Z
N ♔
A E
C O
F ♘
O R
♙ I
H D
C E
R R
A S
T H
E S
B ♖ E
N ♔ R E
L A E C A
S ♖ B L E
R U B A I
A T E D I

ALAN KING	JOEY BISHOP		
ARCHBISHOP OF	KING COBRA		
CANTERBURY	KING LEAR		
BISHOP DESMOND TUTU	KING OF KINGS	PAWNBROKER	SPAWNING GROUNDS
BROOKE SHIELDS	KNIGHT-ERRANT	PAWNEE INDIANS	STEPHEN KING
BROOKLYN BRIDGE	KNIGHT RIDER	PAWN SHOP	TED KNIGHT
ELLERY QUEEN	KNIGHTS OF THE	QUEEN ANNE'S LACE	THE AFRICAN QUEEN
GLADYS KNIGHT	ROUND TABLE	QUEEN BEE	THE KING'S ENGLISH



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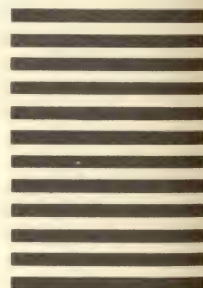
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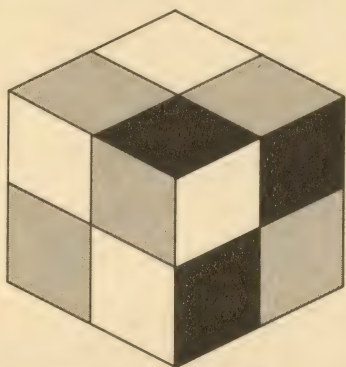
Foreign countries are a rich source of interesting puzzles—especially ones involving logic or math. In the past GAMES has published braintwisters from England, France, Hungary, Australia, the Soviet Union, and elsewhere around the world. Recently we discovered a treasury of original problems in a

popular Polish puzzle magazine called *Sam na Sam*. (The title translates roughly as “all by oneself.”) For ingenuity of idea and execution, the five teasers below are hard to beat. More perplexities from *Sam na Sam* will appear next month.

ANSWERS, PAGE 64

1. PAINT BOX

Each face of the cube below has been divided into four sections, which have then been painted red, yellow, or black. No two sections of the same color meet along an edge anywhere on the cube. Three faces of the cube are shown. How many sections of each color appear on the entire cube?



2. BICYCLE RACE

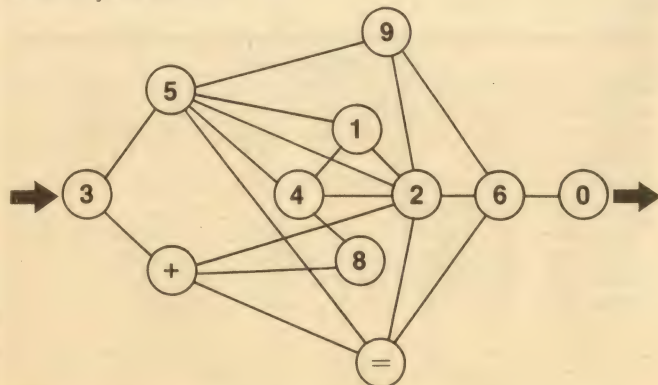
When Adam reached the finish line of a 50-kilometer race, Bogdan was two kilometers behind him. The next day they decided to race again. To even up the contest, this time Adam started two kilometers behind Bogdan, while Bogdan began at the starting line as usual. Assuming they cycled at the same speeds as the day before, which cyclist won the second day's race?

3. SUM WAY OR OTHER

Complete the following equation (one number per dash)

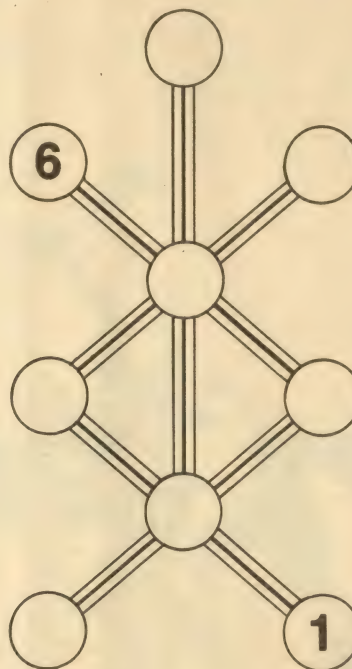
$$3 _ _ _ + _ _ _ _ _ = _ _ _ _ _ 0$$

by moving along the lines from circle to circle below, starting at the 3 and ending at the 0. You may return to any circle as often as you wish, but may not stand on a circle to use it twice before proceeding. Every circle must be used at least once in your answer.



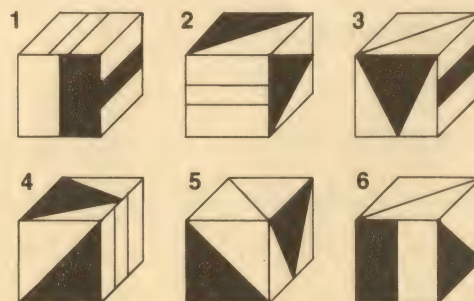
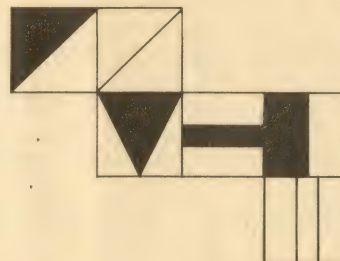
4. EIGHTEEN HOLES

Can you arrange the numbers from 1 to 9 in the circles so that each straight line of three numbers totals 18?



5. FOLLOW THE FOLDS

Which one of the six cubes below cannot be folded from the pattern?



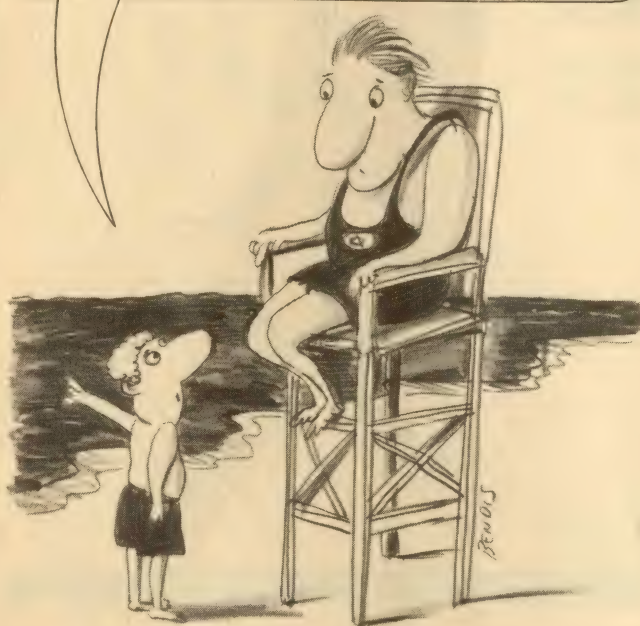
Below are seven messages—consisting of pithy sayings, fascinating facts, and a cartoon gag—that have been translated into simple code alphabets. Letter substitutions remain constant throughout any one cipher, but change from one cipher to the next, and the level of difficulty increases as you progress. An asterisk (*) indicates a proper noun.

Clues are given at the bottom of the page to provide assistance if you need it.

ANSWERS, PAGE 62

1. CRYPTOON

B DLGH Q PLEHQPH DOEG
QYLZH VLSHW VOOH LZH
WOGHOSNQW—UQG QEWYLNW
HZSEON QEWHUBEA BE WOH?


2. WISH LIST

ZF AM GQZLFIZ CFEM FN
ZLM ZLQYUC KFI GSYZ QC
SY QYOQCWMYCSABM WSDZ
FN LSWWQYMCC.—*AMDZDSYO
*DICCMBB

3. PAR FOR THE COURSE

IUDNZBP HRQGO ZAESN
DUOVGRAQ QSIX SA *O*C, UP
GRQG BUORAQP DSKIW
RAWRVUOZ OGZ JSDZB SX U
OSKBAZN.

4. NOT ON THE BALL

BTVPD YWFCVUY KTHGDX
TY RWVBR UNVJJVBR
TAYDC ZD NTU NTCBDX
TKWFY ZWYDH MWWH
UZTCGU.

5. BRRR!

*RKHDPF QXPUF QRRDXUPY
FK *RDZPCDQU KWFJKRF
BWDOLVI ZPOQAP FNP
RJI GNK OQAP DU
GDFN Q OKVY.

6. SECOND-HAND GOODS

SRDUYR MA SXHOIB TPRUZ
OJOCUCOMIF, MY HMXY
SUYBUOI COJRZORTR JUH
CXYI OICM U "FCMZ" DUCTP.

7. SNEAKY

MXQRVO KUUTUNVPC,
CQGVIN UJC IXF ZYBXQY,
ZURXQCTG MVTBP PDVCCVPL
KXAQY LXQO FVCL
KUUB TXIP

TIPS AND CLUES

Cipher 1: Ciphertexts B and BE represent the words I and IN. What letter must ciphertext Q represent?

Cipher 2: Cipher pattern -MCC at the end of a long word is likely to represent -ESS.

Cipher 3: Cipher pattern GRQG, commonly representing plaintext THAT, here represents HIGH.

Cipher 4: Ciphertext D appears last or next-to-last in six words. Try E. Bonus hint: The doubled letter in ciphertext MWWH is O.

Cipher 5: Ciphertext FNP represents plaintext THE.

Cipher 6: Note repeated digraph OI, once in the suffix -OIB. Try IN and ING.

Cipher 7: The five vowels, A, E, I, O, and U, are represented by J, U, V, X, and Y, though not necessarily in that order.

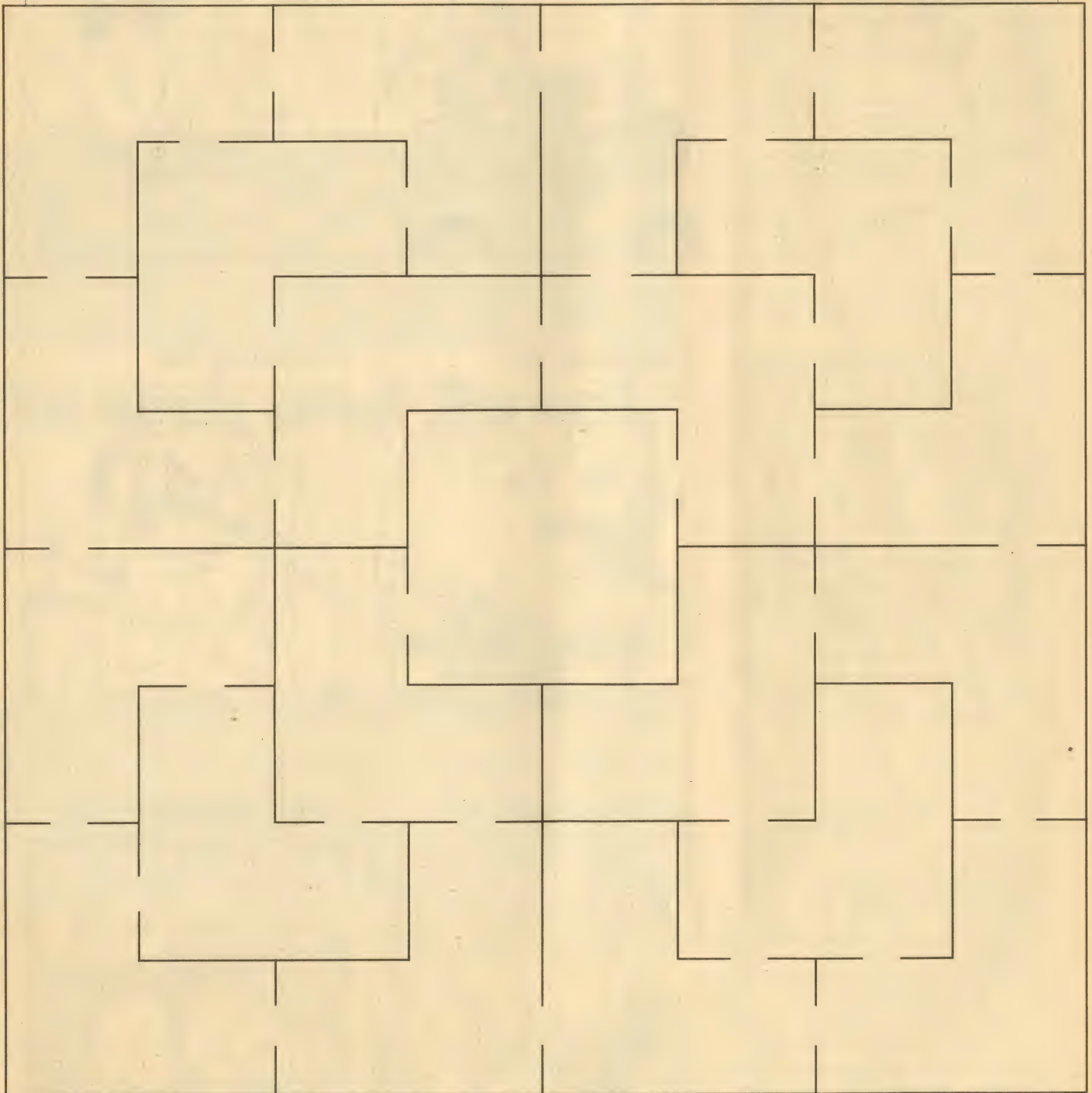
CLEAN SWEEP ★★

BY ELIJAH NED

The offices of Lithuanian Lumber, Ltd., consist of sixteen L-shaped rooms surrounding a square reception area, as shown below. The open doors are the only way to get from one office to another. Every evening the company's cleaning

woman starts in the center square and takes the only route that passes through every office exactly once, no more, and then returns to the center. Can you discover her path?

ANSWER, PAGE 58



CARTOON REBUSES ★☆

Two Picture Puzzle Contests

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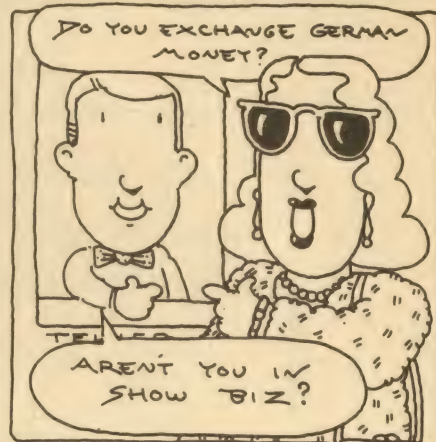
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Mail entries to: Cartoon Rebuses (#1 or #2—please specify), GAMES, 1350 Avenue of the Americas, New York, NY 10019. Entries must be received by September 2, 1986.

Ex. Magazine: 6,4



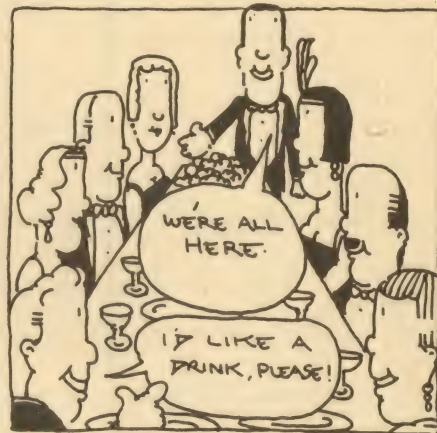
1. State Capital: 8



5. Cartoonist: 5,7



6. University: 5,5



10. TV Personality: 4,6



11. U.S. Newspaper: 3,7,5



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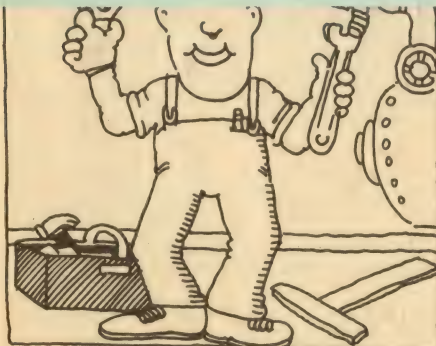
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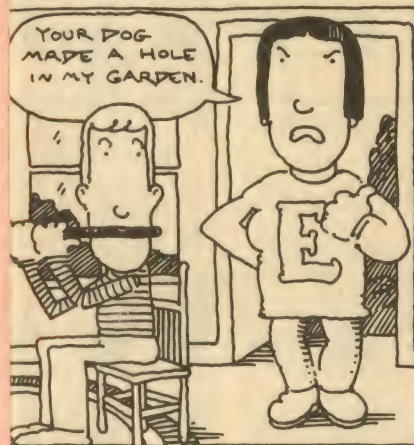


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Novel: 3,8,6



Football Player: 4,6



City of Asia: 10



CARTOON REBUSES ★★

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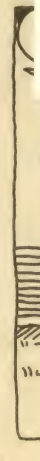
Ex



5.



10



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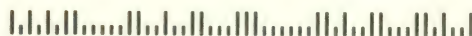
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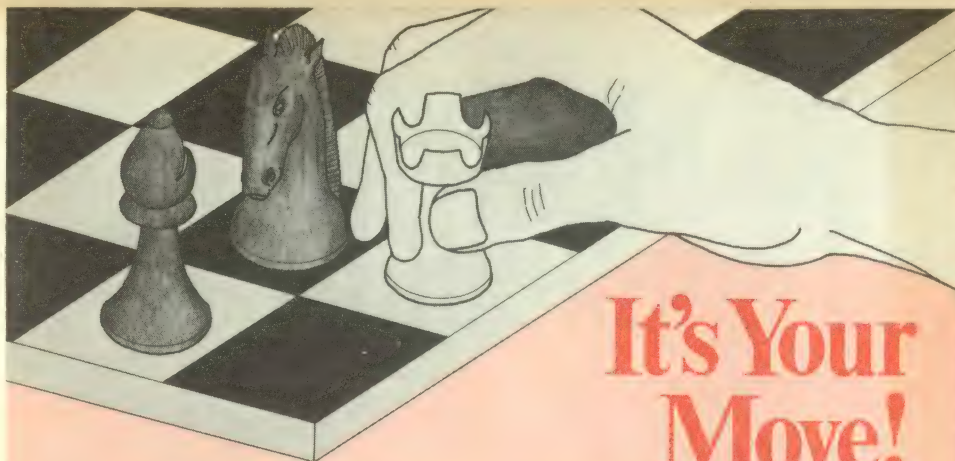
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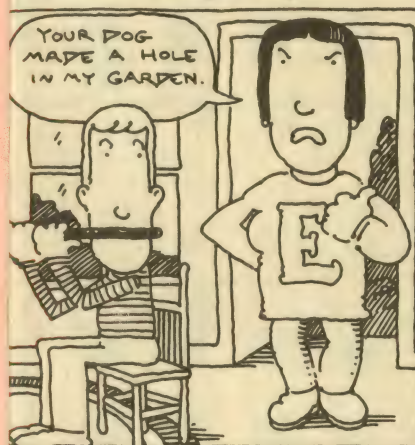
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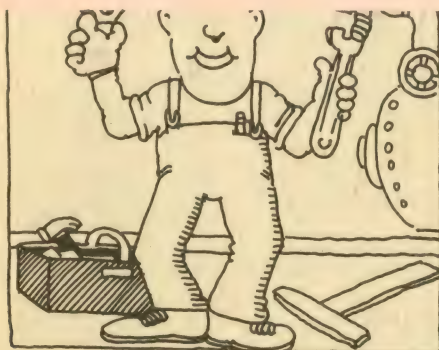
Novel: 3,8,6



Football Player: 4,6



4. City of Asia: 10



WXS15

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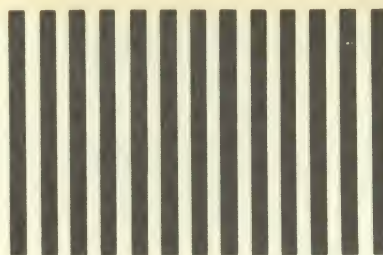
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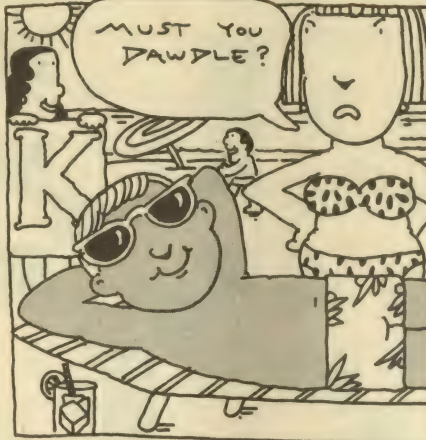


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2. Flower: 7



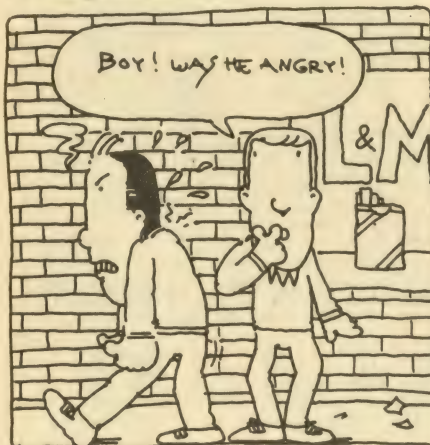
3. TV Show: 4,3,5



4. Novel: 3,8,6



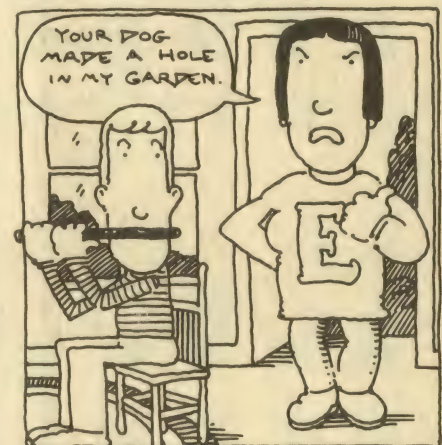
7. Magazine: 12



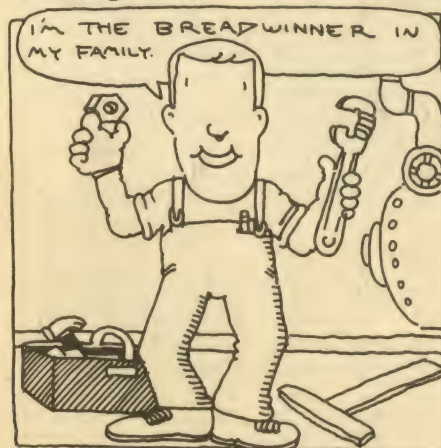
8. 1972 Song: 6,2,4



9. Football Player: 4,6



12. Singer: 4,6



13. Constellation: 4,5



14. City of Asia: 10



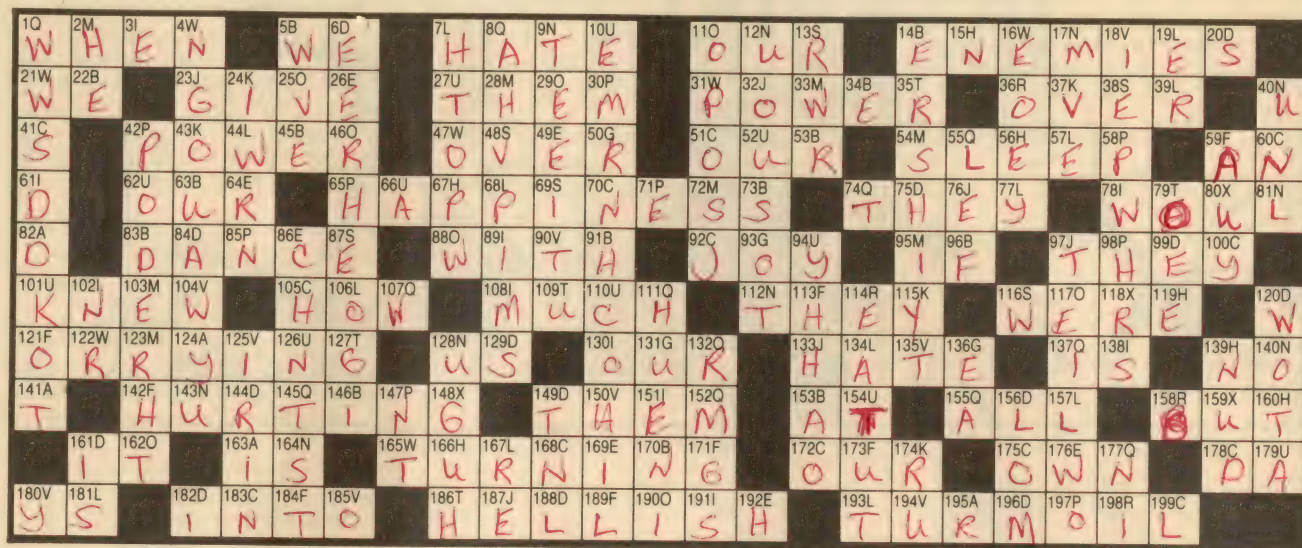
DOUBLE CROSS ★★

BY MICHAEL ASHLEY

Answer the clues for words to be entered on the numbered dashes. Then transfer the letters on the dashes to the correspondingly numbered squares in the puzzle grid to spell a quotation reading from left to right. Black squares separate

words in the quotation. Work back and forth between grid and word list to complete the puzzle. When you are done, the initial letters of the words in the word list will spell the author's name and the source of the quotation.

ANSWER, PAGE 58



A. Grungy

D I R T Y
82 163 195 141 124

B. Good-bye, in Bonn (2 wds.)

A U F W I E D E R
153 63 96 5 146
S E H E N
73 45 91 34 170

C. 1964 victor over AuH₂O (2 wds.)

L Y N D O N J O H
199 100 183 178 175 70 92 172 105
N S O N
168 41 51 60

D. Actress famous for her aquatic talents (2 wds.)

E S T H E R W I L
6 20 149 75 99 144 120 182 188
L I A M S
156 161 84 196 129

E. More like taffy or caramel

C H E N I E R
86 192 49 176 169 26 64

F. In spite of the fact

A L T H O U G H
59 189 184 113 121 173 171 142

G. Debauchee

R O U E
50 93 131 136

H. Next planet on Voyager 2's path

N E P T U N E
15 56 67 160 166 139 119

I. 1976 and 1984 Olympic hurdling gold medalist (2 wds.)

E D W I N M O S E S
3 61 78 89 102 108 130 138 151 191

J. Author of Faust

G O E T H E
23 32 76 97 133 187

K. Material for some piano keys

I V O R Y
24 37 43 174 115

L. Anthony Burgess novel of 1980 (2 wds.)

E A R T H L Y P O
57 134 167 193 7 157 77 68 106
W E R S
44 19 39 181

M. Ill-tempered, like Kate in Kiss Me, Kate

S H R E W I S H
72 2 123 103 33 95 54 28

N. Marked by great clatter

T U M U L T U O U S
9 12 17 40 81 112 128 140 143 164

O. Pen flowery and ornate prose

O V E R W R I T E
11 25 29 46 88 132 190 162 117

P. Capital of Kampuchea (2 wds.)

P H N O M P E N H
58 98 85 197 30 42 71 147 65

Q. Leaves of Grass poet (2 wds.)

W A L T W H I T M
1 8 55 74 107 111 137 145 152
A N
155 177

R. Off-Broadway award

O B I E
36 158 198 114

S. Rave or pan

R E V I E W
13 38 48 69 87 116

T. Coarse

R O U G H
35 79 109 127 186

U. Best picture of 1938 (with Word "V") (3 wds.)

Y O U C A N T I A
64 62 52 110 66 126 154 27 179
K E
101 10

V. See "U" (3 wds.)

I T W I T H Y O U
18 90 104 125 135 150 180 185 194

W. Rhode Island city, jazz festival site

N E W P O R T
4 16 21 31 47 122 165

X. Swami

G U R U
148 159 118 80

CRYPTIC CROSSWORDS ★★★

Each clue in a cryptic crossword contains two parts: a definition of the answer and a second description of it through wordplay. Finding the dividing point between parts is the key

to solving. Watch for anagrams, hidden words, charades of two or more smaller words, and other language tricks. Puzzle 2 is harder than Puzzle 1.

ANSWERS, PAGE 60

PUZZLE 1 BY MIKE SHENK

ACROSS

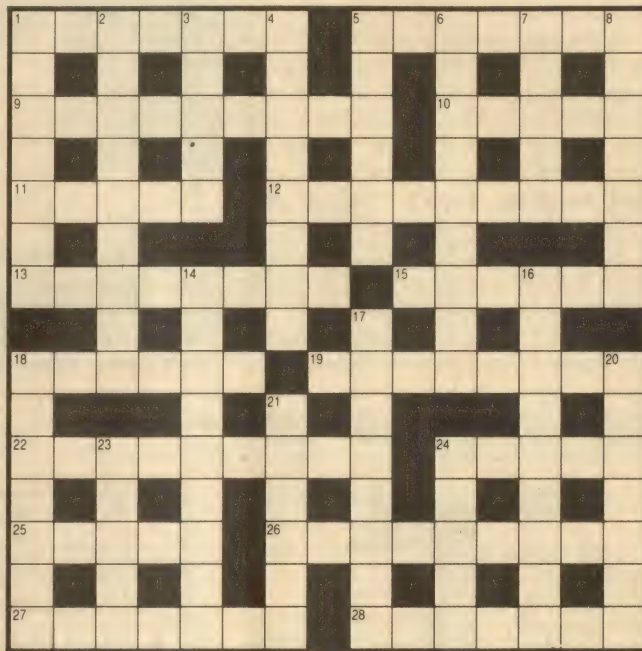
- 1 Cleaning up fiddle with dignity (7)
- 5 Mine rock is put in them, as a rule (7)
- 9 I can somehow put in Apple machine (9)
- 10 Dried plum crop (5)
- 11 Listen to basin in audio alignment (5)
- 12 Not at school, catching ball that's spongy (9)
- 13 Central American nation hiding or in open view? (8)
- 15 Radio network has "punch" (3-3)
- 18 Read my novel—it's fabulous (6)
- 19 Discover bananas in splits? (8)
- 22 Warm temperatures, even in penguins (9)

- 24 Building wing for British princess, at times (5)
- 25 Israeli leader getting old in Georgia (5)
- 26 Sets a cost for holding part of play rehearsals (9)
- 27 Please speak about violent fits (7)
- 28 Start of drawing lots of quick pictures (7)

DOWN

- 1 Doctor Pasteur destroys papers (5,2)
- 2 Seek atonement for yawning in waltz (2,7)
- 3 Showy flower originally hailing from the Emerald Isle (5)

- 4 French policeman tossed grenade around front of mob (8)
- 5 Fly in jet set settings (6)
- 6 Incorrectly parse note in artificial language (9)
- 7 Come to university, dressed in pink (5)
- 8 Engineer as Metro conductor (7)
- 14 Eastern Europeans wandering in San Marino (9)
- 16 One type of foul line catch is unusual (9)
- 17 Emergency care leads to grave under evergreen tree (5,3)
- 18 Note wise men with amounts of medicine (7)
- 20 Head of state



- lives with chauvinists (7)
- 21 Clearly, scandalmonger's
- first to make insinuations (6)
- 23 Manservant and old soldier
- catching Capone (5)
- 24 Texas baseballer is a strange sort (5)

PUZZLE 2 BY TIMOTHY MARTIN

ACROSS

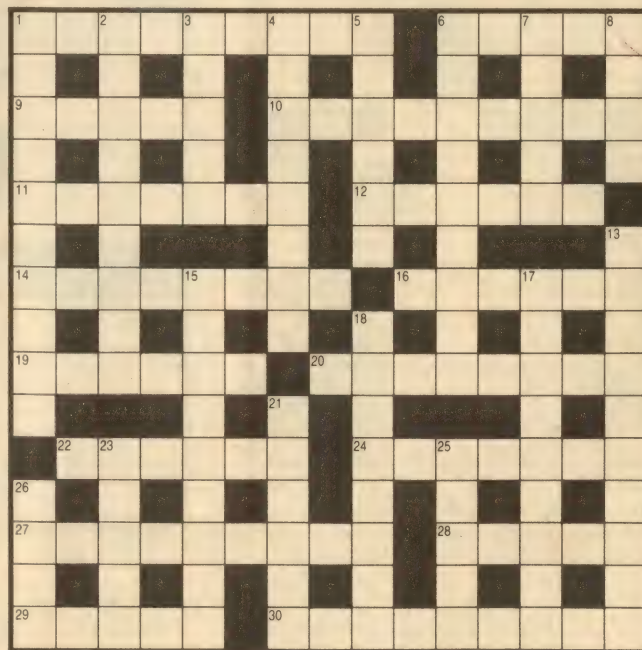
- 1 Quiche, ten rolls, in style (9)
- 6 Crooked petition before East and West (5)
- 9 As far as nut is flying: Illinois (5)
- 10 Studio is likely to hold art fellows (9)
- 11 Granted slips for Friday's show? (7)
- 12 Droll cracks at men's club dignified? (6)
- 14 They give answers about a tool (8)
- 16 With a cab, circling a town in New York (6)
- 19 Exposed state's faltering in duty (6)
- 20 Cornet playing about a hundred and one musical works (8)
- 22 Wandering Magi following St. Mark (6)

- 24 Two-thirds of IRS returns filling in "new yacht" as tax-deductible gift (7)
- 27 Savage made an NHL shot (9)
- 28 Dad and wild animal (5)
- 29 First Lady is upset from strain (5)
- 30 In speech, I defame European (9)

DOWN

- 1 Rumbling caused by article about subordinate (10)
- 2 Worker turned in, peaked, and caught some sleep (9)
- 3 In New York, 25% of longshoremen stocking material (5)
- 4 Change lodgings (8)

- 5 The Spanish curse about license (6)
- 6 Cart broken in prank in home of a Pole? (9)
- 7 Get ready to pray for Armstrong out loud (5)
- 8 Accompanying comic to Hair's opening (4)
- 13 Adjusting TV if any broadcast shows Thackeray work (6,4)
- 15 Make uniform for unappreciative one guarding Tennessee's borders (9)
- 17 Charged for classified about unusual earring (9)
- 18 Real prisoner on Greek island (8)
- 21 Dog and Hiawatha capturing famous Indian (6)



- 23 Light metal, for example, turned up in shade (5)
- 25 Greek character caught you holding a
- record (5)
- 26 Kiss on Mothers' holiday (4)

CLUED IN

"Pencils at 15 paces."

That's how winner David Rosen described the finals of last spring's two U.S. Open crossword regionals in Baltimore, Maryland, and Stamford, Connecticut.

Rosen, 32, a high school math teacher from Buffalo, New York, defeated reigning U.S. Open champion Rebecca Kornbluh and other top solvers to take the titles of both contests. It was Rosen's third win at Stamford. He is the first American ever to win a major crossword tournament three times.

Both tournaments attracted solvers from across the country—57 for the Baltimore Crossword Open, in its first year, and 119 for the Stamford Marriott Crossword Tournament, in its ninth.



Winners of the 1st Baltimore Crossword Open are, from left to right, Thomas Fuller (3rd place), David Rosen (1st), and Rebecca Kornbluh (2nd).

GIVE US THE HIGH SIGN ★★

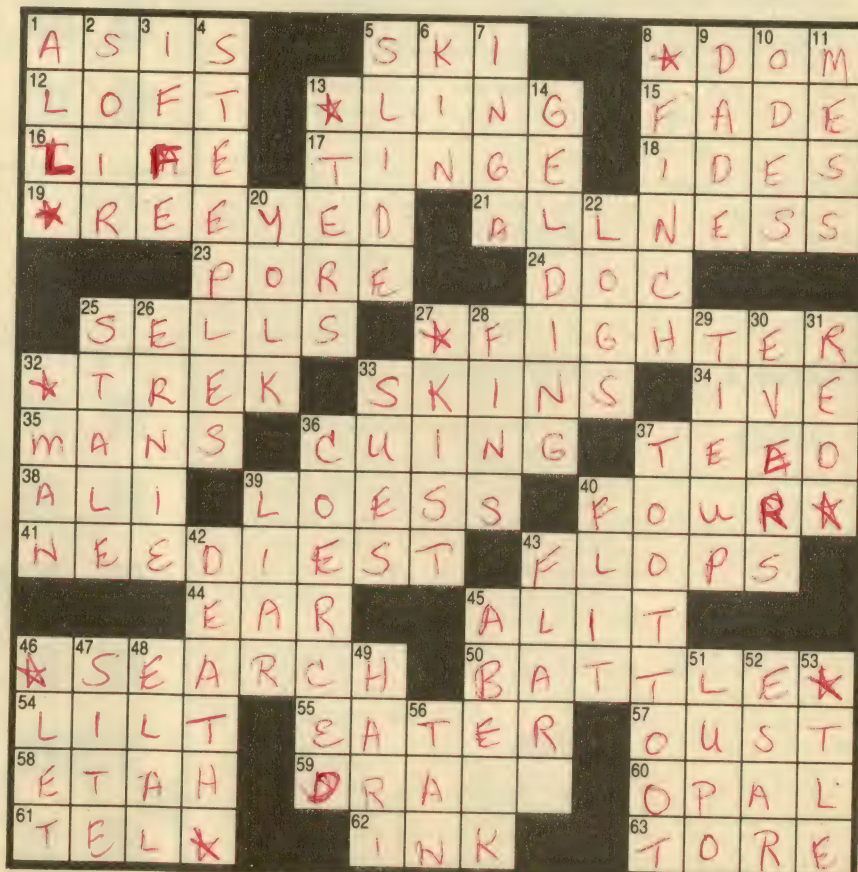
BY FERNI KINNAW

ACROSS

- 1 Sale tag words
5 Slalom
8 Actor's fame
12 Upper-story apartment
13 Bird nuisance
15 End of film technique
16 Magazine founded in 1936
17 Bit of color
18 March time
19 Given to fanciful wishes
21 Totality
23 Study, with "over"
24 Bashful companion?
25 Auctions off
27 *The Last* (1984 movie)
32 Captain Kirk's series
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38 Rope-a-dope boxer
39 Fertile soil
40 General's rank
41 "Remember the ____" (New York Times catchphrase)
43 Complete duds
44 Listen here!
45 Illuminated at night
- 46 Arthur Godfrey's Talent Scouts updated
50 TV's ____ *Galactica*
54 Airy tune
55 Gobble, gobble
57 Give the heave-ho
58 Launching point of many polar expeditions
59 Baby vampires
60 October birthstone
61 Satellite of 1962
62 Sign on the dotted line
63 Hightailed it

DOWN

- 1 Special athlete
2 *Bon* ____ (good evening): Fr.
3 Uncertain
4 Church tops
5 Trombone part
6 Relatives
7 Swenson of *Benson*
8 European redstart
9 Miami's county
10 Flowery verses
11 Hodgepodge
13 For ____ (just to begin)
14 A stallion no more
20 The sun of "sunny-side-up"
22 Diaries
25 Like yesterday's news
26 Country star Tennessee ____ Ford
27 Chicken of the Sea competitor



STAMFORD

TIME LIMIT: 15 MINUTES

ANSWER, PAGE 62

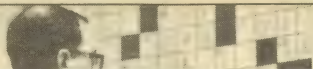
- 28 '50s auto features
29 Jam
30 NAACP leader Medgar
31 Communist symbol

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37 Toy train sound
39 Fibster
40 Fly like a butterfly
- 42 Darth Vader's base
43 Imbroglios
45 Group with the 1976 hit "Moonlight Feels Right"
46 Young actress

- 47 Location
48 Israeli airline
49 Mata ____
51 Wolf: It.
52 Humorist Evan
53 Jolt
56 Beachgoer's prize

TOURNAMENT REPORT

The puzzles ranged from the merely tricky (for example, "Give us the High



The top three solvers from each contest will receive byes to the finals of the JAMES/Merriam-Webster U.S. Open Crossword Championship, to be held August 16 in New York. (See Events, page 5, for details.)

Four puzzles from the two contests appear here and on the next two pages. If you'd like to test yourself, time limits appear below each grid. Complete scoring information appears in answers. —W. S.



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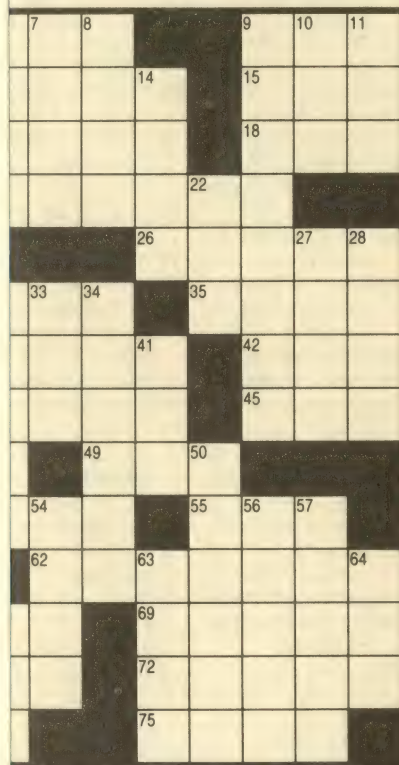
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BY MEL ROSEN



UTES

ANSWER, PAGE 62

32 _____ ritual
42 "Kookie" Byrnes
43 "Never!"
44 See 39-Across
45 Actor Billy _____ Williams
46 See 43-Across
48 Hard to find
49 Rock musician's gear

4 Summer clock settings: Abbr.
5 Staff up
6 Disciples
7 Tired measure: Abbr.
8 Beloved
9 Like supermarket chocolate milk
10 Hall-of-Famer Campanella

12 Where an animal lives: Abbr.
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Mary Lou's milieu
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ANNUAL CROSSWORD OPEN

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UNITED STATES

GIVE US THE HIGH SIGN

ACROSS

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Ford
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STAMFORD

TIME LIMIT: 15 MINUTES

ANSWER, PAGE 62

28 '50s auto features

29 Jam

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31 Communist symbol

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TOURNAMENT REPORT

The puzzles ranged from the merely tricky (for example, "Give us the High Sign," reprinted below left) to the ingeniously baffling ("Position Wanted," below right). Solvers also had to contend with a raft of punny clues, like "They really click onstage" (TAPS) and "Computer class?" (BASIC TRAINING).

Rosen's secrets to success, he believes, are quick eyes, quick hands, and a well-rounded education. "No life experience is useless," he says. "Whatever you know will eventually show up in a puzzle."

Second prize at both Baltimore and Stamford went to Kornbluh, a 35-year-old weaver from Mundelein, Illinois. Thomas Fuller, an attorney from Alexandria, Virginia, took third place at Baltimore. Ellen Ripstein, a statistician from New York City, was third at Stamford.



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—W. S.

Rosen displays his winning style on the Stamford playoff puzzle. "I imagine standing with my head in a wringer," he says, "and someone squeezing it dry. Then I try to pour everything into letters on the grid."

DON CHRISTENSEN

POSITION WANTED ★★★

BY MEL ROSEN

Seven entries in this puzzle are clued as "See . . . (another entry)." Keep the puzzle title in mind as you try to determine the relationships.

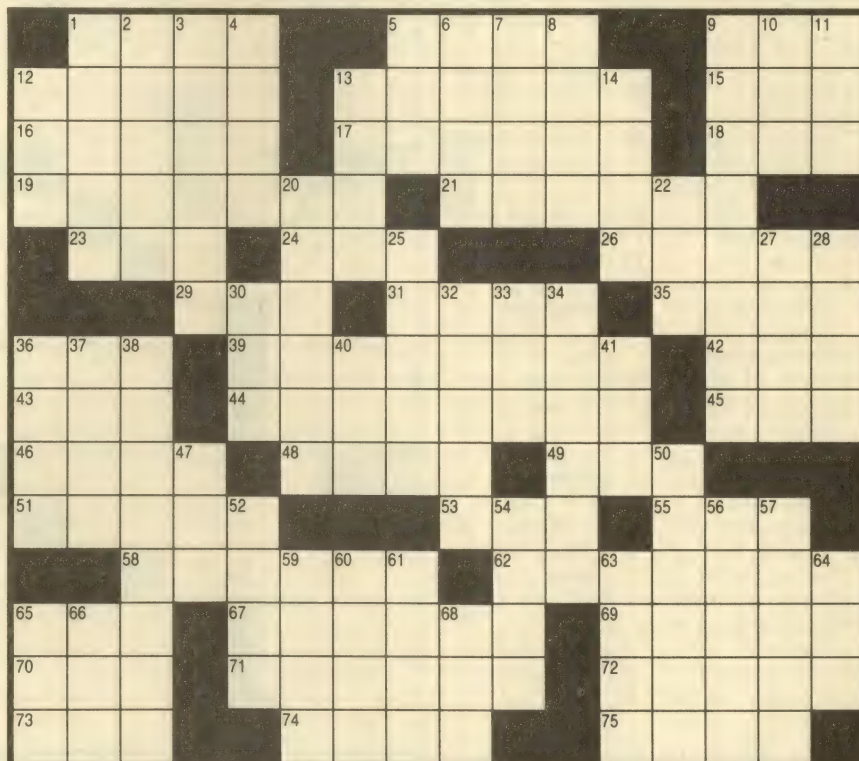
ACROSS

- 1 Deeply in love
- 5 Telekinesis
- 9 Money player
- 12 See 1-Across
- 13 See 5-Across
- 15 Theater group?
- 16 ____ once (suddenly)
- 17 Like some streets
- 18 CBS symbol
- 19 Gives praise for
- 21 Little tributary
- 23 Mork's home planet
- 24 Simile center
- 26 Ham partner
- 29 Vienna's country: Abbr.
- 31 Delhi dress
- 35 One-third of CLXXXVI
- 36 Cries of contentment
- 39 Adhering to ritual
- 42 ____ "Kookie" Byrnes
- 43 "Never!"
- 44 See 39-Across
- 45 Actor Billy ____ Williams
- 46 See 43-Across
- 48 Hard to find
- 49 Rock musician's gear

- 51 ____ down (softened)
- 53 A Cole
- 55 ____ in "Iowa"
- 58 Brought about somehow
- 62 Commands
- 65 Enjoy Aspen
- 67 Lombard or King
- 69 ____ meridian (great circle section)
- 70 "Black gold"
- 71 See 74-Across
- 72 See 75-Across
- 73 Orthodontist's degree: Abbr.
- 74 Check for burglars
- 75 Hidden

DOWN

- 1 "Greetings!"
- 2 Specialty fisherman
- 3 Baked state?
- 4 Summer clock settings: Abbr.
- 5 Staff up
- 6 Disciples
- 7 Tired measure: Abbr.
- 8 Beloved
- 9 Like supermarket chocolate milk
- 10 Hall-of-Famer Campanella



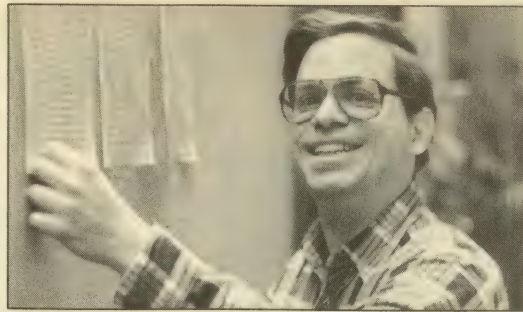
BALTIMORE

TIME LIMIT: 20 MINUTES

ANSWER, PAGE 62

- 11 Bear debts
- 12 Where an animal lives: Abbr.
- 13 Forest growth
- 14 Deli delivery
- 20 Parade day
- 22 Cobbler's holemaker
- 25 Lou Grant portrayer
- 27 Juxtaposed
- 28 See 27-Down
- 30 UCLA neighbor
- 32 Madison Avenue masterminds
- 33 ____ de Janeiro
- 34 Existing from birth
- 36 Med. school course
- 37 Rail rider
- 38 Mimeograph material
- 40 Retired coach Parseghian
- 41 Mary Lou's milieu
- 47 ____ and Sympathy
- 50 Dakota capital
- 52 Ventilator channel
- 54 Still sleeping
- 56 Composers' org.
- 57 Halted, long ago
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- 60 Martian: Prefix
- 61 Sheriff ____ (Claude Akins TV role)
- 63 Warmonger
- 64 Giants' cap logos
- 65 Lay down the lawn
- 66 Deceive
- 68 Albanian coin

TOURNAMENT REPORT



Crossword editor Will Weng (left) addresses the Stamford contestants. Miriam Raphael (right) tests a new 900 number, which, for a 50¢ charge, will give answers to Sunday newspaper crosswords. Above, Baltimore director Stanley Newman posts standings.



DON CHRISTENSEN (LEFT, RIGHT); JOE HOVANEC (MIDDLE)

POOL PARTY ★★★

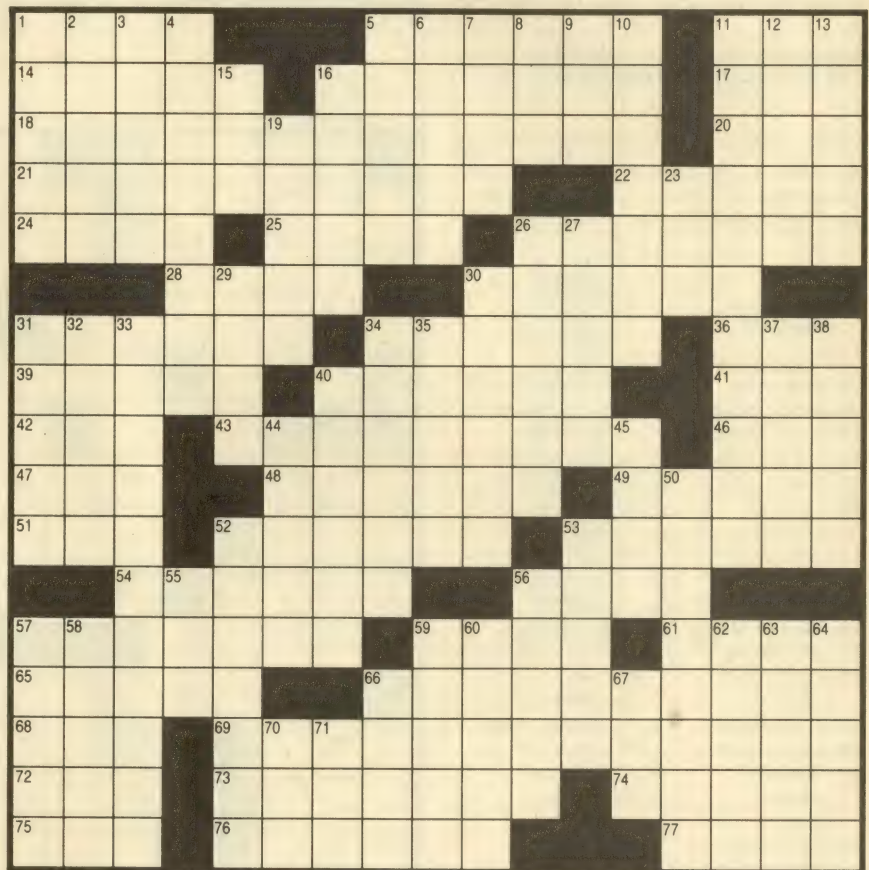
BY MERL REAGLE

ACROSS

- 1 The Mad Barber of Fleet Street
- 5 Astaire-Rogers classic
- 11 The old college cry
- 14 Dodge ____ K
- 16 Midmorning, roughly
- 17 Tankard filler
- 18 Feels like a retired player?
- 20 Org. based in Langley, Va.
- 21 "Not the 7 in the corner," for example?
- 22 Actor Werner
- 24 Frosty, essentially
- 25 Hair co-writer James ____
- 26 Distributor cap or spark plug, e.g.
- 28 Suffers from charge card-itis
- 30 Elizabeth I's mother, Anne
- 31 Generated anew
- 34 Match before the main event
- 36 Letters on a DeLorean
- 39 Equally
- 40 Ship Darwin sailed on
- 41 Flying Cloud, for one
- 42 Gene Kelly's longtime employer
- 43 Pool hall?
- 46 Detroit union: Abbr.
- 47 Whack!
- 48 Gully
- 49 Muttered mot
- 51 You can dig it
- 52 Try hard
- 53 Gordon ____, Sting's real name
- 54 Legions
- 56 "____ girl!"
- 57 Philately, toy trains, etc.
- 59 Jupiter's mate
- 61 Weigh down with cargo
- 65 Time for a shower
- 66 Placed a cushion shot?
- 68 "The Phantom" cartoonist ____ Falk
- 69 Botchin' the spin on the ball?
- 72 Pitcher's stat
- 73 Career bios
- 74 Three-horse chariot of ancient Rome
- 75 Blab, blab, blab
- 76 Bug-eyed one
- 77 Longings

DOWN

- 1 Pats down
- 2 Hunter of the heavens
- 3 Music with a beat
- 4 In-office tasks
- 5 Having prongs
- 6 "You're ____ talk!"
- 7 Chihuahua coin
- 8 Comment from Skid Row
- 9 Tempe, Ariz., campus
- 10 Prove it
- 11 Autobiography of a failed pool player?
- 12 Make ____ out of (contradict)
- 13 Damn Yankees tune
- 15 "Didn't I tell you?"
- 16 New stars
- 19 Scatter
- 23 20-Across employee
- 26 Lassie, for one
- 27 Target of the INS
- 29 Coach Ewbank
- 30 "Scat!"
- 31 One-man army of filmdom
- 32 Enigma Variations composer
- 33 Pool shark's plea?
- 34 Rotating body part
- 35 Indira's son
- 37 Gettysburg general
- 38 Shrink
- 40 Plays ultra-loudly
- 44 One of Ava's exes
- 45 Stretched to the limit
- 50 Kids
- 52 They seem to be happy
- 53 Attack headlong
- 55 Batter's stat
- 56 Egyptian crosses
- 57 Kunta Kinte's chronicler
- 58 Works
- 59 I love, in Lyon
- 60 Al or Bobby of Indy
- 62 Michael Caine classic
- 63 Condescend (to)
- 64 Best and Ferber
- 66 Fuzzy picture
- 67 No longer trendy
- 70 High-wire precaution
- 71 Juliette Gordon Low's assn.



STAMFORD

TIME LIMIT: 20 MINUTES

ANSWER, PAGE 62

IS THERE A DOCTOR IN THE HOUSE? ★★★

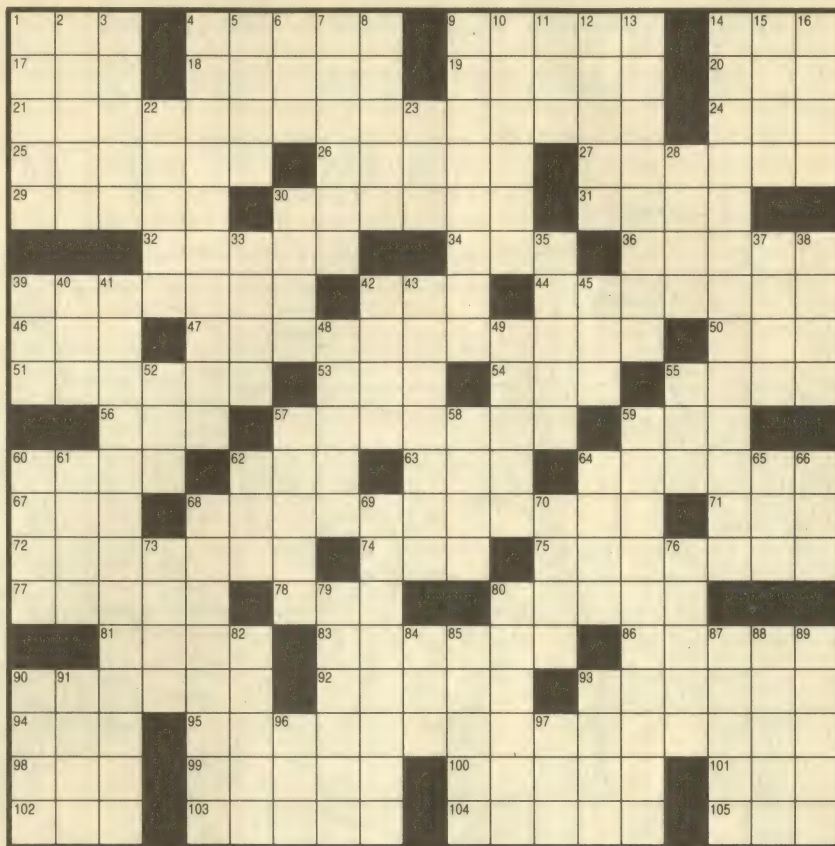
BY MAURA JACOBSON

ACROSS

- 1 Draw upon
4 Perfumer's concern
9 Messenger, slang style
14 "___ who?"
17 Trouble
18 Lollobrigida et al.
19 Papal veil
20 Start for pod or vet
21 Ailment contracted from a convertible sofa?
24 ___ Tin Tin
25 La Scala presentations
26 Hint of color
27 Plying the needle
29 Razor sharpener
30 Lab burner
31 Wyatt of the West
32 Addressee at 70-Down
34 ___-60 (auto acceleration standard)
36 Sacraments
39 Write the music
42 SMU rival
44 Mill
46 Rosary prayer opener
47 Discomfort experienced at Streisand films?
50 Jailbird
51 Evolution theorist
53 Gun the motor
54 Informal shirt
55 One of the Bowls
56 Triple this for a ballroom step
57 Health pill
59 Last mo.
60 Quarry
62 *Uno e due*
63 ___ Vegas
64 Money-minded
67 Stripling
68 Liver disorder of cows?
- 71 Maui strings
72 Stuffed oneself
74 Popeye's yes
75 Craftsman
77 More sagacious
78 Main, Wall, etc.: Abbr.
80 Avarice
81 Conks
83 *Paesano's* land
86 Home of the Dolphins
90 Ready the timer
92 Former Czech president
93 Horace's verse forms
94 Singer Janis
95 Mania caused by 1948 election returns?
98 Young billy
99 *Paper Moon* family name
100 Dove, at times
101 Gambler's chit
102 Overhead transports, for short
103 Clamorous
104 Port of old Rome
105 Postman's tour: Abbr.

DOWN

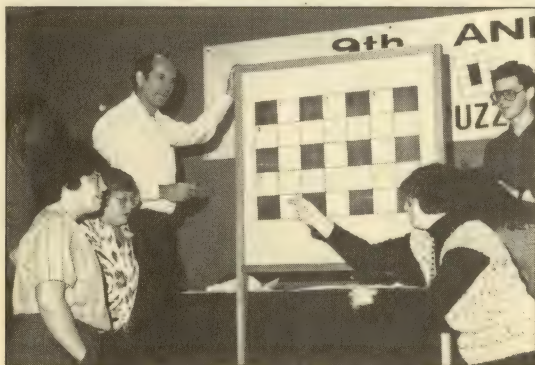
- 1 Tex-Mex treat
2 Learn to fit in
3 Tough nut to crack
4 Abnormal fear of the Taj Mahal?
5 Branco and Grande
6 Yearling's age
7 Neighbor of Verona
8 Patty Duke's ex
9 Like George the wrestler
10 Famed Express
11 More than plump
12 Beethoven's "*Für* ___"
13 Exhaustive study
14 Ecdysiast's virus?
15 "The Old Sod"
16 Pep
22 Boy Scout unit
23 Ninny has three
28 Habeas corpus, e.g.
30 Sib, to Uncle Remus
33 Strong ___ ox
35 Frequently
37 Greek Cupid
38 End of a New Year's song
39 No gentleman
40 An *avis* lays them
41 Cramps experienced in expensive cars?
42 Refund from gross weight
43 *F Troop* group
45 Virtuoso
48 Ending quickly
49 Answer to "Who's there?"
52 For what reason
55 Between dos and mis
57 Novelist Peter De ___
58 Second glove
59 Japanese food poisoning?
60 Snow remover
61 Sitarist Shankar
62 Vietnam offensive
64 Discharge
65 Police file letters
66 Footballer Dawson
68 Reiterated tediously
69 Like a wind blowing westward
70 Fictional plantation
73 Model T contemporaries
76 Language peculiarity
79 Shinbones
80 Thingumbobs
82 Shorthand pro
84 What's missing?
85 White: Prefix
87 Robin of balladry
88 Forget-___
89 Edition
90 Toll road or fish
91 Symbol of thinness
93 "I hope to see London once ___ die": Shakespeare
96 Aloha gift
97 Nursery-schooler



BALTIMORE

TIME LIMIT: 30 MINUTES

ANSWER, PAGE 62



In Stamford, Ellen Conford pantomimes clues for teammates in "Crossword Charades."

In Baltimore, players grab letters from the word B-A-L-T-I-M-O-R-E to answer an oral clue.



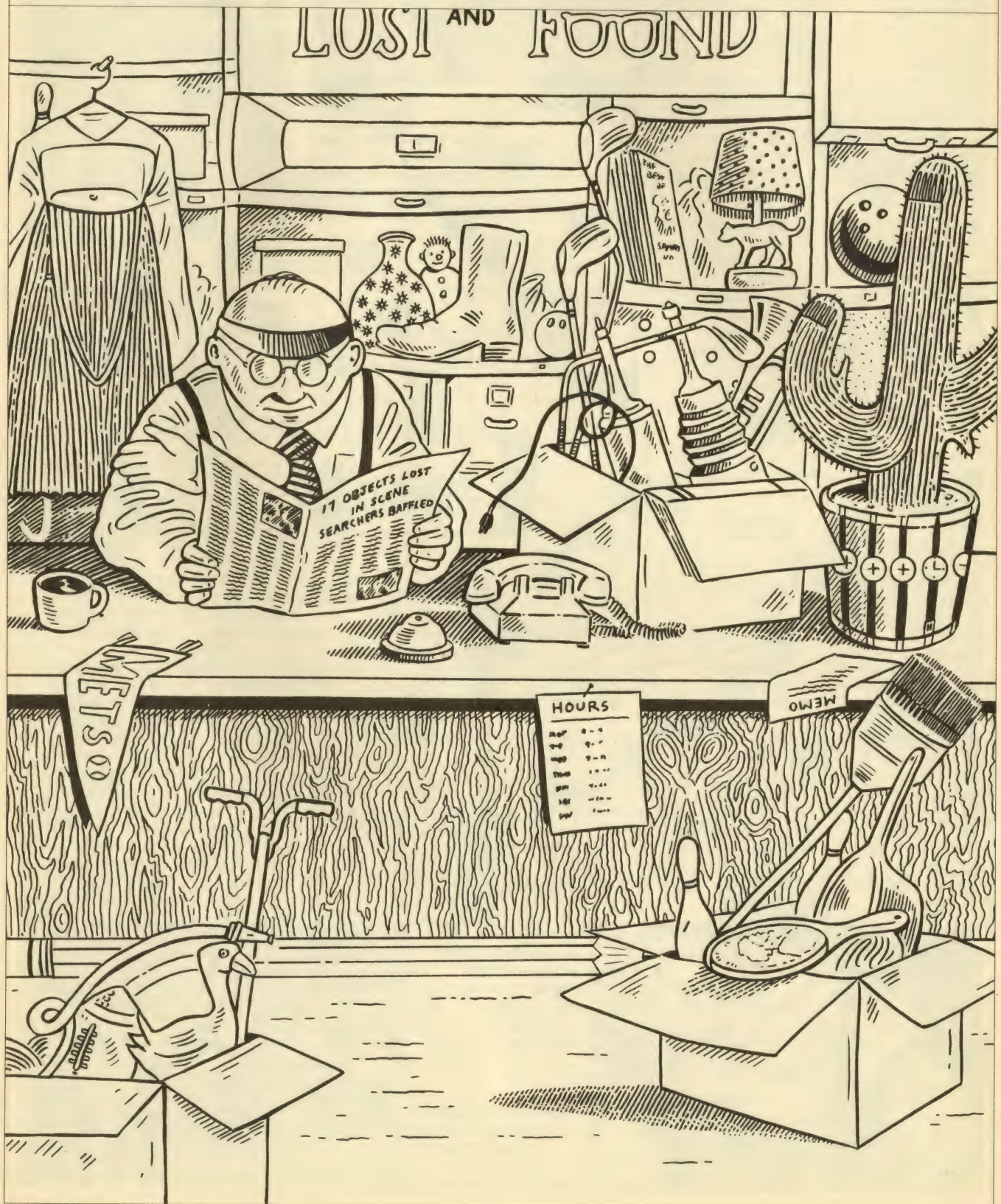
LOST AND FOUND ★

BY MARK MAZUT

Can't find your keys? Constantly misplacing your umbrella? Don't give up the search—they may be here in the Lost and Found. Concealed amidst the assortment of junk are 17 objects that are frequently misplaced: an attaché case, a book,

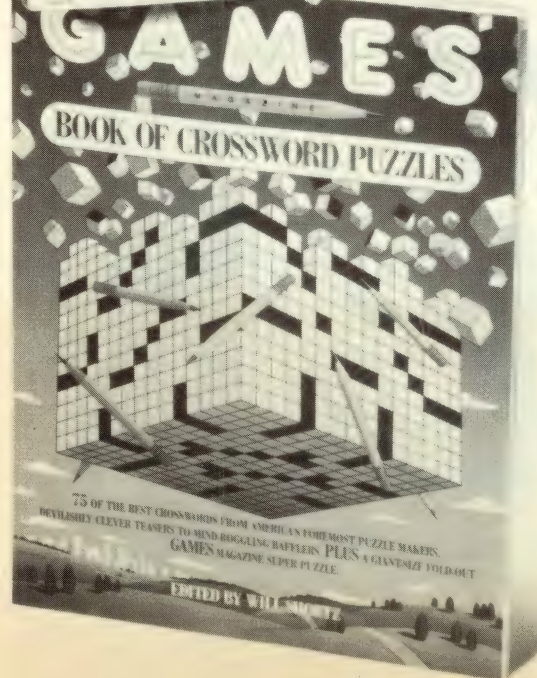
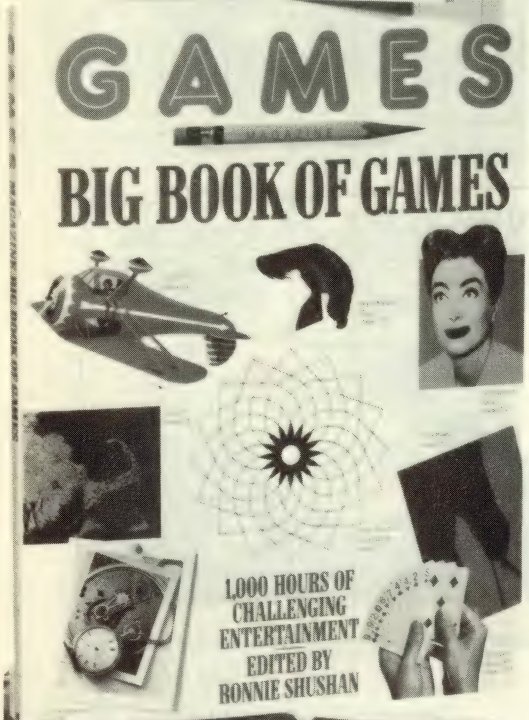
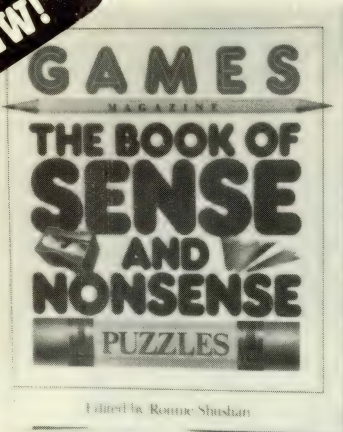
a coin, a comb, a pair of eyeglasses, a flashlight, a glove, a hat, a key, a mitten, a pencil, a pocketbook, a scarf, a pair of scissors, a sock, an umbrella, and a watch. Can you spot them all?

ANSWER, PAGE 58



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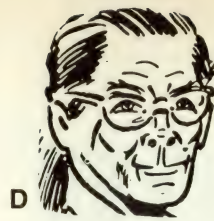
A



B



C



D



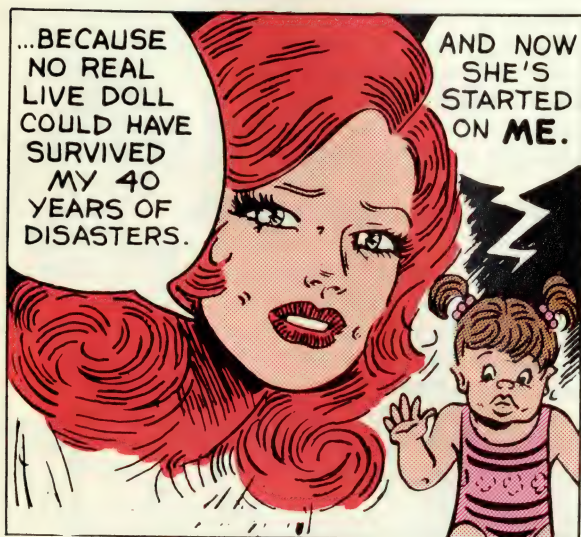
E

Character Studies ★★

BY MARK J. COHEN

The funny-looking characters above are not little-known comic strip stars; they are self-portraits of the cartoonists who created the 10 comics seen here. By comparing the different art styles, can you match the cartoonists' self-portraits (A-J) with their comic strip panels (1-10)? Give yourself extra credit if you can also name the comic strips and their artists.

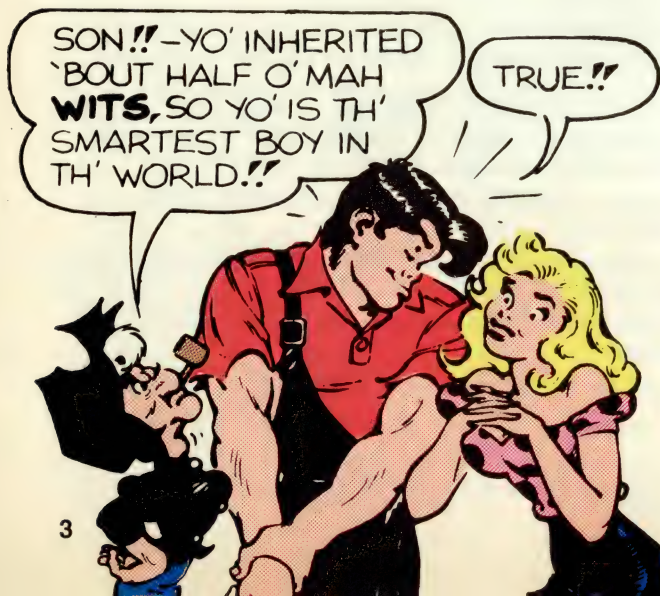
ANSWERS, PAGE 62



1



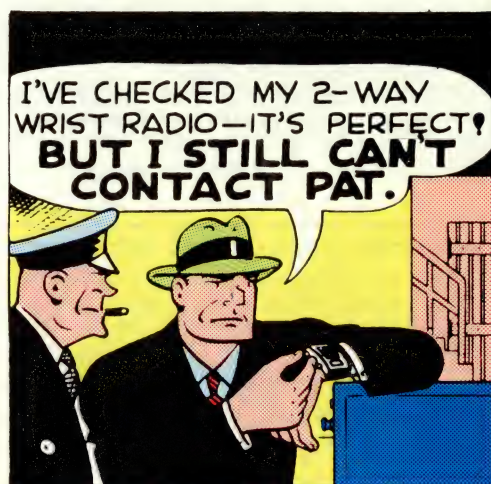
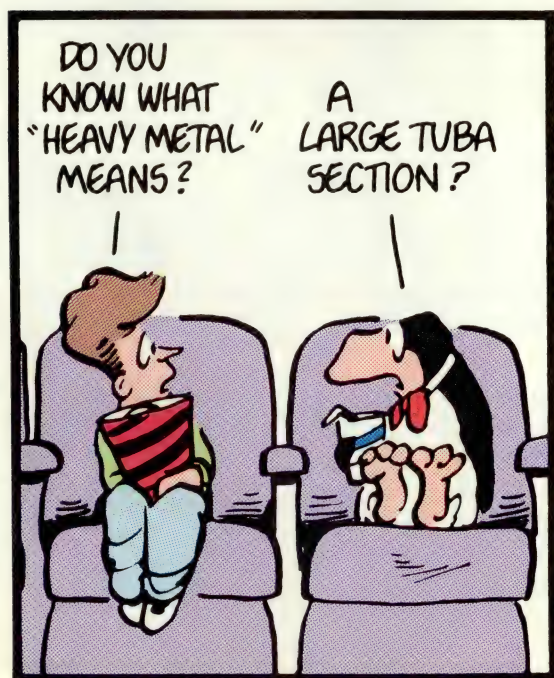
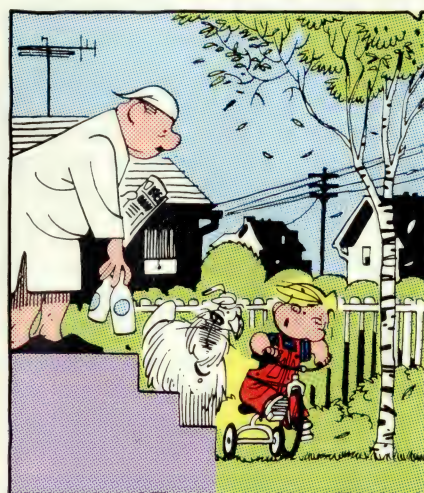
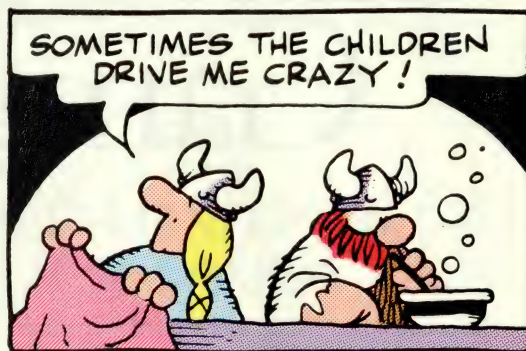
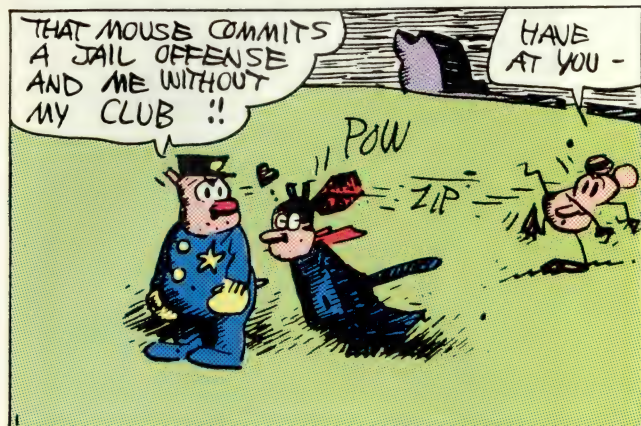
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The Glass Bead Game

A TWENTIETH-CENTURY MANCALA

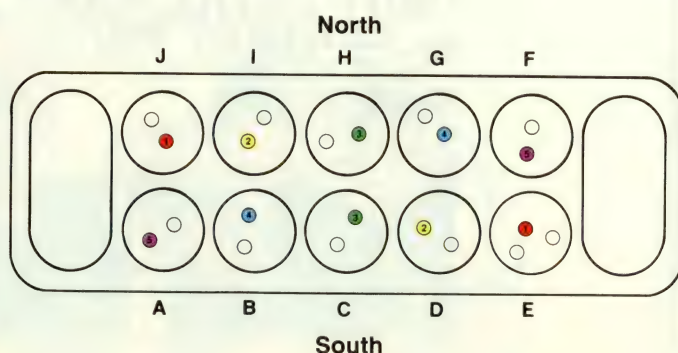
BY CHRISTIAAN FREELING

Mancala games are played with pebbles or other small objects, which are moved around a board consisting of two to four rows of cups. Such games have been played for centuries in Africa, Asia, and other parts of the world, and some 200 variations are known. This modern mancala introduces a new dimension to the play by giving the pieces different values, so that the order in which pieces are sown (explained below) becomes important. The name is taken from the fictional game that is the subject of Hermann Hesse's novel *Magister Ludi*.

Equipment The Glass Bead Game uses 20 beads (or other tokens) of various colors. Ten of the beads, called "stones," are white; the other ten, called "gems," are colored—two each of five different colors. Each of the five colors stands for a different value from 1 to 5 points. Stones are used to capture gems, and have no point value.

The board consists of 10 small "cups" and two large "storehouses." The 10 cups form a loop, around which the beads are moved counterclockwise. Each player controls the five cups on his side of the board. The storehouses are for keeping captured gems, and each player owns the storehouse at his right.

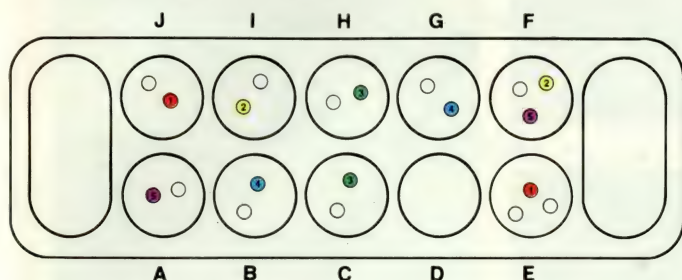
The starting position is shown below. (The numbers on the gems represent their point values.)



BOARD BY M. HARRISON/PHOTO BY MARIA FERRARI

Play Each turn, a player must "sow" one of his five cups. This means taking all the beads out of one of the cups and, moving counterclockwise, dropping one bead into each of the other cups until the beads are exhausted. The player chooses which bead to drop into each cup.

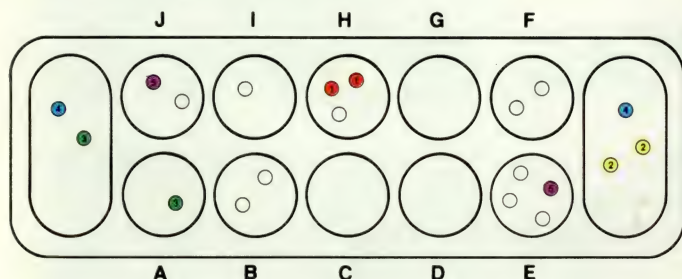
In the example below, South has just made his first move, sowing cup D. He dropped the stone into cup E, and the 2-point gem into cup F.



If a cup is sown that has more than nine beads, that cup is skipped in the sowing when the player comes around to it again. The tenth bead goes in the next cup instead (the same cup the first bead went into).

Captures Capturing occurs when the last bead sown is a stone that lands in an opponent's cup, and that cup already contains exactly one bead. (The bead may have been there from the turn before, or may have been sown into that cup earlier in the same move.) If the bead already in the cup is a gem, the player has made a "direct capture" and takes the gem from the cup and puts it in his storehouse.

In the example below, if it is North's turn, he can sow cup H, end the sowing with a stone in cup A, and capture the 3-point gem in that cup.



If the bead already in the cup is a stone instead, the player has made an "indirect capture" and may take a gem from any of the opponent's cups. If there are no gems in the opponent's cups, the player may take a gem from the opponent's storehouse. (If the opponent's storehouse is empty as well, no capture is made.)

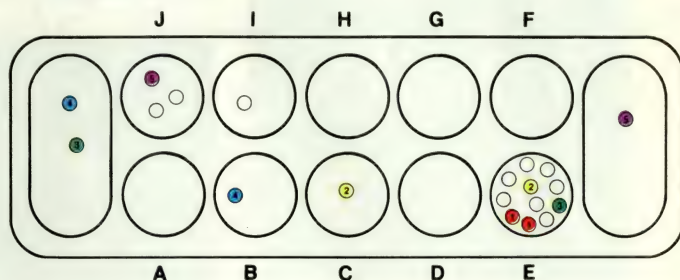
In the same example above, if it is instead South's turn to play, he could sow cup E, ending with a stone in North's cup I. As the cup already contains one stone, South makes an indirect capture and may take, for example, the 5-point gem from cup J.

Multiple captures More than one capture can be made on a single move, using the last two or more beads sown. All captures in a move must be of the same type (direct or indirect).

For example, if the last two or more beads sown are stones landing in the opponent's cups, and the cups already contain one gem each, then a multiple direct capture is made, and both gems may be taken. In the example above right, if it is North's turn, he can sow cup J, using the stones to capture the gems in cups B and C.

If, instead, the cups already contain one stone each, then

a multiple indirect capture is made, and one gem may be taken for each cup involved in the capture. (As before, gems are taken first from the opponent's cups, and then from the opponent's storehouse.) If it is South's turn in the example below, he could sow cup E, first sowing stones into cups F through J, then sowing gems into cups A through D, and sowing his last two stones into cups F and G again. (Cup E, the cup the beads were taken from, is skipped and remains empty.) This is an indirect capture in cups F and G, and South takes two gems, first the 5-point gem from cup J, and then (as no gems are left in the opponent's cups) the 4-point gem from North's storehouse.



Feeding the opponent's cups If a player empties all the beads from his side, the opponent must immediately "feed" him by sowing at least one bead into the empty side. *Exception:* If all the gems have been captured, a player may leave his opponent without a move. When this happens, the game ends.

Winning When all the gems have been captured and one player cannot move (because his cups are empty), the game ends. The player who moved last wins if he has at least 15 points in gems, but loses if he has less than 15 points.

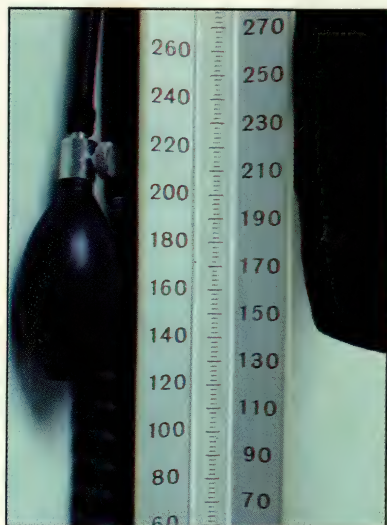
When all gems have been captured, a player with 15 or more points will therefore try to end the game quickly by keeping all the beads on his side of the board. A player with less than 15 points will try to keep the game from ending, while looking for opportunities to make an indirect capture and take gems from the opponent's storehouse.

Strategy and tactics The most important target in opening and middle game play is the formation of a "house." A house is a cup holding enough beads to be sown all the way around the board, ending on the opponent's side. When the cup that the house aims at—i.e., the cup where the last bead will fall—is empty, then sowing the cup will result in a capture (since the last cup, and possibly others, will end up containing exactly two beads).

Generally, houses are only effective when built in cup E or J. In order to build a house, or to thwart the opponent's attempts to do so, players should consider such tactics as sacrificing gems, and speeding up or slowing down the game (by sowing the leftmost or rightmost cups, respectively).

Recording a game Moves may be recorded by writing the letter of the cup sown, followed by the numerical values of the beads sown, in order. A stone is represented by a 0. For example, if the North player in the last diagram sowed cup J by dropping the 5-point gem into cup A and the other stones into B and C, the move would be written J500. If desired, captures may be shown parenthetically—in this case, as (2,4).

Dutch game inventor Christiaan Freeling's many other games include Chad, Emergo, Grand Chess, Havannah, and Medusa.



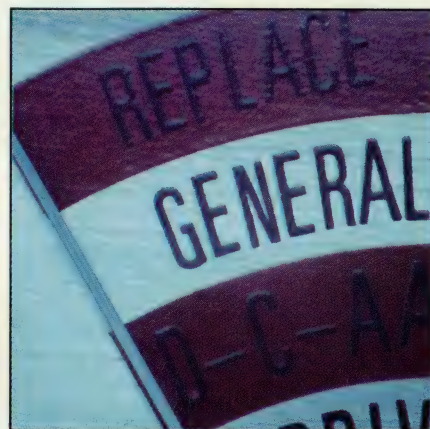
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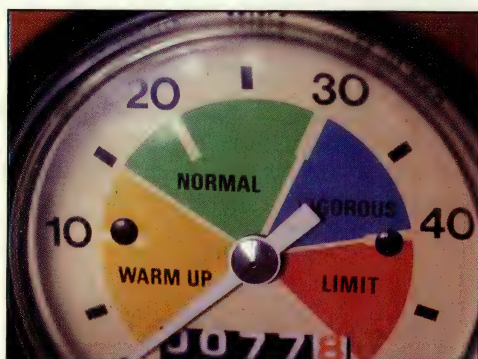


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METERS & GAUGES



6

On what devices can these calibrated close-ups be found?

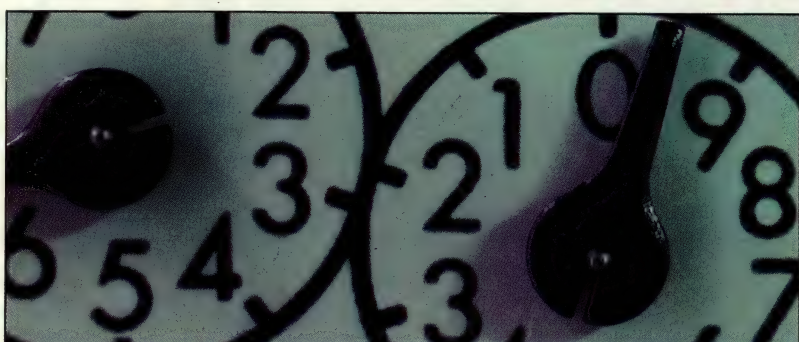
ANSWERS, PAGE 62



7



8



9

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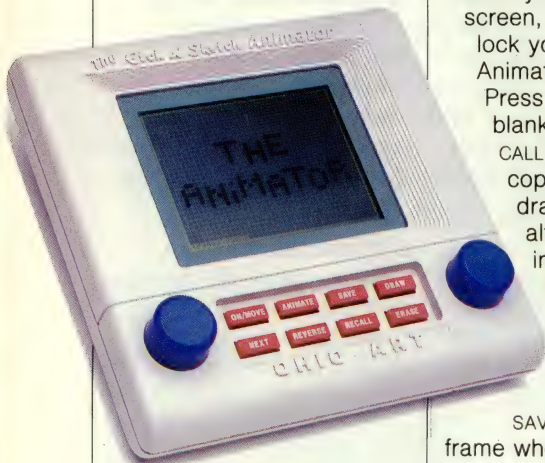
EDITED BY BURT HOCHBERG

THE ETCH A SKETCH ANIMATOR

Ohio Art Co., suggested retail \$59; four AA batteries not included

The familiar red Etch A Sketch toy that has been fascinating children and adults since the 1960s now has a high-tech cousin firmly planted in the 1980s.

The new Etch A Sketch Animator is an eight-function electronic device that enables you to "etch" drawings on the screen, erase them, move the "etcher" (cursor) from



place to place without drawing unwanted lines, save up to 12 different drawings ("frames") in the Animator's memory, and, of course, animate them. The 12 frames can be arranged or repeated in any sequence and played back to create an animated "movie" up to 96 frames in length (after which the sequence repeats automatically).

Animation has always been a painstaking task. Although the Animator provides some shortcuts, you may still need half an hour or more to create an interesting sequence, and the

most complex of the animations suggested in the instruction booklet can take a good two hours to input. But the effort seems worthwhile when you see the horse you created gallop smoothly and realistically across the screen.

The screen is a 40 x 30 grid of tiny squares (pixels). The small number of pixels allows for little detail, and curved lines can only be approximated. Still, if you plan your animation carefully, you can achieve some impressive results.

After using the two familiar Etch A Sketch knobs to "etch" your drawing on the screen, you press SAVE to lock your drawing in the Animator's memory.

Press NEXT to get a blank screen, then RECALL to bring up a copy of your original drawing, ready for alterations. The original remains in memory, and the changes you make appear only on the copy, which you

SAVE as a separate frame when you're finished. When all your drawings are done, arrange them in the desired order and press ANIMATE to make the machine run through the entire sequence at any of seven chosen speeds.

Three convenience functions have been thoughtfully provided: MOVE lets you "pick up your pencil" (the cursor) and place it elsewhere on the screen (an improvement on the original Etch A Sketch); ERASE lets you make changes or correct errors at any time; and REVERSE produces negative images for night scenes and other interesting animation effects.

One convenience the machine lacks, however, is a series of reference numbers along the edges of the grid, to make it easier to plot animated sequences and to duplicate the illustrations in the manual (which do have numbers).

The Animator is an intriguing introduction to sim-

ple computer animation that should keep both children and adults glued to its screen for hours. Though hardly a substitute for a computer equipped with animation software, it does have the advantage of being light and portable and thus usable anywhere.

—R. L.

RAILWAY RIVALS

Games Workshop; \$17

In 1984 this captivating railroad game was named "Game of the Year" in West Germany, which probably came as no surprise to inventor David Gwyn Watts, who had been making and selling versions of the game from his home in Wales for 10 years. Now, finally, it's available here.

The double-sided board shows on one side a partial map of England (roughly from London to Liverpool) and on the other the western two-thirds of the United States (from Chicago to California between the Canadian and Mexican borders). The maps are made up of hexagons, some 30 of which represent cities. Other hexes are colored to represent plains or mountains, while rivers (blue lines) wind their way between hexes. Two to six can play,

using either side of the board. Although the game for two certainly works, more is definitely merrier.

Each player begins with an engine of his chosen color, a matching water-based marking pen, and a supply of money, then picks a city to start from. For each round of play a single die is thrown to determine how much track every player may build in that round. Track is built by drawing a line from the center of one hex to the center of an adjacent hex. For each hex a player must pay a fee to the bank, with additional fees for crossing mountains and rivers. Bringing track into a hex occupied by another player's track or laying track parallel to a rival's track in the same hex costs extra fees (payable to that player). A player can branch off wherever he pleases, but his new track must always be directly connected by lines of his own



PHOTOGRAPHS BY STAN FELLEMAN

color to his starting city.

In laying track, players try to be the first to reach new cities (for which they earn payment from the bank) and to build as many lines to and from as many of their cities as possible, to be in a good position for the Operating Stage, which begins as soon as all the cities on the board have been reached.

In the Operating Stage, two cards drawn from a special deck give the starting and destination cities for competitive "runs," in which substantial prize money can be won. Players

wishing to compete in a run place their engines at the starting point and announce the routes they will take, paying in advance for the right to use opponents' tracks, if necessary. Die rolls determine how far each player may travel each turn.

After every two runs there's an abbreviated building stage, where players can try to improve access to cities that have not yet been used for runs.

When all the cards have been used, the richest player is the winner.

—Sid Sackson

RAIL MASTERS

Randall Book Co., P.O. Box 1651, Sandy, UT; \$29.95 plus \$2.50 postage

Compared to Railway Rivals, this game takes rail-roading rather lightly—except for the 3,000 or so railroad trivia questions, which are tough enough to challenge even the most ardent hobbyist. The game can be played without the questions, however, or they can be used by just some of the two to six players, as

middle of the board. Movement is controlled by a single die. Landing on certain spaces activates the question cards (answering a question correctly earns an additional move), but if the questions are not used, an even die roll permits a further move.

Money plays an important role in several ways. It is needed to buy spikes; it can be used to buy one's way out of a depot or roundhouse (instead of waiting for a roll of 1 on the die); and, with the proper card, it can



a means of handicapping.

The board is huge (just under 2 x 3 feet), with spaces large enough to accommodate the attractive two-inch-long engines as they travel around the U.S. Each player chooses an engine and is given a supply of money. The object is to be the first to pick up five spikes of different colors and deliver them safely to the "Transfer Station" in the

be used to buy sections of track, requiring payment from opposing players who use them. It can also be a part of any deal that players may want to make among themselves.

A few of the rules are slightly unclear, but reasonable solutions can easily be found. In fact, much of the fun of this game is introducing your own twists.

—Sid Sackson

SCALA

Skill Games, Box 6326, Holyoke, MA 01041; \$22 includes postage

A simple but innovative capturing rule highlights this two-player strategy game. The rule produces original kinds of tactics that should intrigue and delight anyone who enjoys abstract games like Othello or Pente.

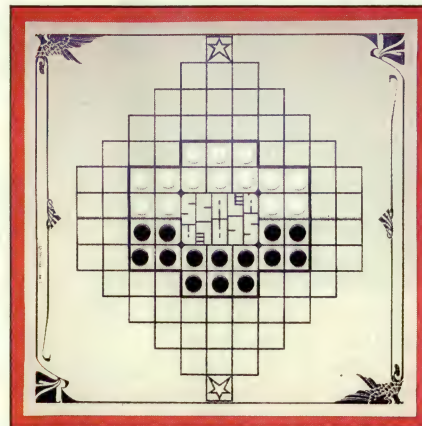
The game owes its movement rules and its objective to halma, a game popular in Victorian England. Each player has 14 white or black pieces, which are set up in the starting position shown at right. A piece may either move one space at a time or make one or more two-space jumps over either friendly or opposing pieces. Both moves and jumps may be made in any direction; jumped pieces are not captured. A player wins by advancing any one of his pieces to the marked square at the opponent's end of the board.

The capturing rule makes the game unique. Whenever a move separates the pieces into two groups, one of the groups (as determined below) is captured and removed from the board. If one group is made up of pieces of only one color, it is captured. If both groups have pieces of both colors, then the smaller group is captured. (Note that a player may capture his own pieces.) A move that would divide the pieces into two mixed groups of equal size or segregate all the white and black pieces into different groups is prohibited.

The rules may not make it sufficiently clear that, in order to win, a player must advance a piece to the farthest square *safely*. If the final advance divides the pieces into two groups and

the "winning" piece is part of the group that would be captured, then that group is captured and the game continues. Draws, though possible, are unlikely.

As both players advance around the center island, which acts as a barrier, the connecting links get thinner. Usually, a string of pieces should be maintained on each side of the barrier. Neither player will thus be



able to break either string safely, since the opponent would then have the first opportunity to break the other string in a favorable way, wiping out all the advanced opposing pieces with a single blow.

Sacrificing is often a good tactic. A player can slow the opponent's advance, for example, by "suiciding" part of his own rear guard. With these pieces gone, the opponent will have to worry about the group's being divided near the center, which would capture his own advanced pieces (either because they would form a one-color group or be in the smaller of two mixed groups).

Playing time can be under 10 minutes, but it may be longer when players get better at seeing the game's intriguing tactical possibilities. The vinyl board and plastic pieces are of high quality. Though expensive (considering the amount of equipment), Scala is one of the best new abstract games of recent years.

—R. W. S.

ULTIMA IV QUEST OF THE AVATAR

Origin Systems; on disk for Apple II series, C-64, Atari computers, \$60

Computer adventures have come of age. Beneath the fighting and artifact-gathering of Ultima IV is perhaps the most sophisticated



theme ever attempted in a computer game.

The player's goal in this, the fourth installment of the award-winning Ultima series, is nothing less than personal perfection. Designer Lord British hasn't skimped on the magic and

monsters, but this is the only computer role-playing program in which virtue is at least as important as swordsmanship. Mayhem is merely a means toward achieving the status of Avatar. Only those who reach this highly developed ethical state can brave the terrors of the Abyss, where dark forces guard the Codex. Obtaining this highly magical object is the player's ultimate goal.

The unorthodox opening sets the tone. A gypsy Tarot card reader presents a series of eight practical situations, each requiring you to choose between two of the eight basic virtues of avatarhood: valor, spirituality, compassion, justice, honesty, humility, sacrifice, and honor. Your reactions to these ethical dilemmas make up your character profile. This is of crucial importance throughout the game, since the program constantly monitors your conduct, and acting out of character incurs tough penalties.

After the introduction, you are deposited in Britannia, where, by exploring towns and dungeons, you acquire the experience and artifacts which are the twin keys to success. You begin the adventure alone, but by inducing residents of this fantasyland's eight towns to join your quest, you can assemble a party of eight adventurers.

Communicating with the residents of the realm is one of your highest priorities, since an avatar-in-training gains knowledge only by talking to everyone and learning all they have to tell (which may be clues to the locations of certain objects or the names of people who may have that information).

The varied graphics are the best yet in an Ultima game, the dungeons showing the biggest improvement (now you can see the treasure chests and catch a glimpse of an approaching monster). The magic system is more convoluted than in other fantasy adventures. A

few uttered words do not suffice to work a miracle; to cast a spell you must find the proper magical ingredients and mix them in the correct proportions.

Once again, Origin Systems has not stinted on production values. The multi-disk program comes with a full-color cloth map, a metal ankh, a reference folder containing a summary of commands, and two hefty instruction books.

The game's documentation, though interesting, is poorly organized. Information about such crucial matters as combat and magic are scattered throughout nearly 100 pages of text. The folder helps, but it's no substitute for a cogently constructed rulebook.

Those who have journeyed through Lord British's earlier fantasylands will need no encouragement to add Ultima IV to their collections. Newcomers to the series will find it a magic-carpet ride to adventure ecstasy.

—Arnie Katz and Bill Kunkel

AUTODUEL

By Lord British and Chuckles; Origin Systems; for 64K Apple computers, available soon for Atari and C-64; around \$50

The automobile is just transportation to some, but it fires the imagination of others, sometimes in bizarre ways. The fascination with vehicular combat, which gave the world demolition derbies and the *Road Warrior* movies, also spawned the board game Car Wars and now its electronic version, Autoduel.

The computer contest, though not as minutely detailed as the board game, has enough weapons and car types to satisfy the boldest boulevard battler. And the real-time battle action makes it more exciting than the somewhat cerebral Car Wars.

The first step is to create

a driver by dividing 50 points among driving skill, marksmanship, and mechanical skill. These skills increase with experience. Starting out with little more than good health and a small stake, your driver must enter "amateur night" arena competitions. If he defeats a given number of rival cars with his rented battle-car, he wins prize money—the only way he can earn enough money to construct his own custom vehicles.

Once he's built a car and outfitted it as well as he can afford to, he can participate fully in this hostile futuristic society. He can seek glory in more advanced arena events, hit the road in search of adventure, and accept lucrative, but dangerous, courier assignments. With the money he earns, he can build more and better cars. The player's goal, in fact, is to make

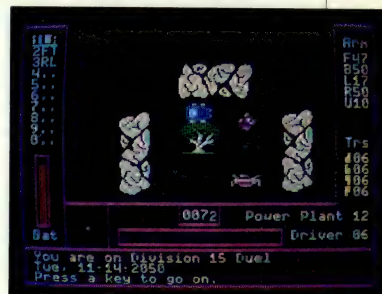
his driver increasingly successful by designing more effective cars with which to win bigger tournaments.

In each town the driver can visit various specialized establishments, though most towns don't have all of them. The hub of the car culture is the Truckstop, where motorists can stay the night, recharge a car's power plant, buy body armor, or overhear possibly useful rumors. Other points of interest are the arenas, assembly lines for new cars, salvage yards (where equipment stripped from defeated vehicles can be sold), garages for the repair and storage of valuable cars, and Gold Cross centers where your driver can have himself cloned (expensive, but worth every penny). At the casino in Atlantic City, lucky drivers may win at the tables what eludes them in the arena.

The game's only serious

flaw is that novice drivers are so helpless. Expect to play many times and lose many drivers before you can earn enough money to build a car.

Autoduel really comes into its own only after the mechanics of play have been mastered. Once you have a string of powerful



vehicles, this action-strategy game will provide a varied and satisfying play experience. So, put the pedal to the metal and, as the game's motto says, "Drive Offensively!"

—Arnie Katz and Bill Kunkel

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Chess: Night Moves

Night Moves (1975) is a melodramatic movie directed by Arthur Penn in which most of the action takes place at night. But the title also refers to a game of chess that was played in 1922, when an obscure player missed a brilliant win by means of three "knight moves."

In the movie, Gene Hackman plays a washed-up California private eye named Harry Moseby, on an assignment to find a runaway girl in Florida. We first encounter Moseby at night, huddled in his car on a routine vigil as he wiles away the hours by studying chess on his pocket set. He is a man on the fringe, without emotion, who watches and waits in the shadows while the people he spies on go about the sordid business of living.

One chess position in particular seems to fascinate him (see Problem C below). It flashes too briefly on the screen as Moseby explains to the heroine how the player with black missed a beautiful checkmate and must have regretted it every day of his life. In a way, of course, Moseby is also talking about himself and his own wasted opportunities.

The opening chapter of Alan Sharp's novel *Night Moves* describes the game in sufficient detail to identify it: "The rest of his attention [Moseby] gave to . . . a remote, trivial moment of truth that had once engaged two men he had never met just as intensely as it now did him. Emmerich and Moritz had, it appeared, played chess together in 1922 at a place called Bad Oeynhausen. . . . Moritz had had that most flamboyant of

possibilities for a chess player. Back to the wall, in danger of defeat, he had a queen sacrifice leading to an exquisite mate by means of three little knight moves, prancing in interlocking checks, driving the King into the pit. Moritz, in the heat of something now cold, had missed it, played defensively, and lost."

A record of the game appears below. It was played in a minor section (Hauptturnier B) at the 22nd Congress of the German Chess Federation. Emmerich took first with six wins and a draw; Moritz was the runner-up. Their game proves once again that one of the hardest things in chess is to win a winning position.

White: Emmerich Black: Moritz
Albin Counter Gambit—1922

- | | |
|----------|-------|
| 1. d2-d4 | d7-d5 |
| 2. c2-c4 | e7-e5 |

With this dubious gambit Black gives up a pawn to seize the initiative. It has virtually disappeared from master play.

- | | |
|-----------|--------|
| 3. d4xe5 | d5-d4 |
| 4. Ng1-f3 | Nb8-c6 |
| 5. Nb1-d2 | f7-f6 |

The more usual moves are 5. . . . Bc8-g4 and Bc8-e6.

- | | |
|------------|--------|
| 6. e5xf6 | Qd8xf6 |
| 7. g2-g3 | Bc8-g4 |
| 8. Bf1-g2 | 0-0-0 |
| 9. 0-0 | Ng8-e7 |
| 10. Qd1-b3 | |

More active is 10. Qd1-a4. This "attack" is ill conceived.

- | | |
|-----------|--------|
| 10. . . . | Ne7-g6 |
| 11. a2-a4 | Bf8-g4 |
| 12. a4-a5 | |

Returning the pawn for some elbow room. Better is 12. Nd2-e4 Qf6-e7 13.

Bc1-d2! to relieve the cramp by swapping pieces.

- | | |
|-------------|--------|
| 12. . . . | Bb4xa5 |
| 13. Qb3-a4 | Rh8-e8 |
| 14. Nd2-b3 | Re8xe2 |
| 15. Nb3xa5 | Bg4xf3 |
| 16. Bg2-h3+ | Rd8-d7 |

White was hoping for 16. . . . Kc8-b8? 17. Na5xc6+ Bf3xc6 18. Qa4xa7 mate.

- | | |
|-------------|--------|
| 17. Qa4-b5 | Nc6-e5 |
| 18. Bh3xd7+ | |

Another possibility is 18. Bc1-g5 Qf6xg5 19. Bh3xd7+ Kc8-d8! (not 19. . . . Ne5xd7?? 20. Qb5xg5; or 19. . . . Kc8-b8? 20. Bd7-c6!).

- | | |
|------------|---------|
| 18. . . . | Ne5xd7 |
| 19. Ra1-a3 | Re2-e5 |
| 20. Qb5-b3 | Ng6-h4! |
| 21. Bc1-f4 | |

Hopeless is 21. g3xh4? Qf6-g6+ 22. Bc1-g5 Re5xg5+ 23. h4xg5 Qg6xg5 mate.

- | | |
|------------|---------|
| 21. . . . | Qf6-g6 |
| 22. Bf4xe5 | Nd7xe5 |
| 23. Qb3-b5 | Qg6-h5 |
| 24. Qb5-c5 | Nh4-g6 |
| 25. Qc5-b5 | Ng6-f4! |
| 26. Rf1-e1 | |

See diagram to Problem C below. Black now misses the chance of a lifetime.

- | | |
|------------|---------------|
| 26. . . . | Bf3-d5?? |
| 27. c4xd5 | Nf4-h3+ |
| 28. Kg1-f1 | Black resigns |

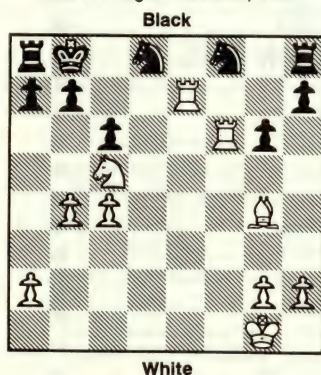
Black has run out of checks while White is way ahead in material and threatens mayhem with Qb5-b7+.

Grandmaster Evans, a four-time national champion and member of nine U.S. Olympic teams, is a noted author and chess columnist. He was Bobby Fischer's tutor for the 1972 title match.

PROBLEMS

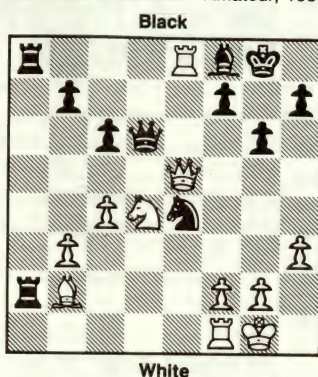
ANSWERS, PAGE 64

EASY: Pflieger—Domnitz, 1964



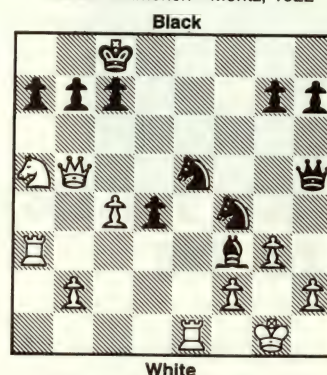
A. White to play and mate

MEDIUM: Landstatter—Amateur, 1950



B. White to play and mate

HARD: Emmerich—Moritz, 1922



C. Black to play and mate

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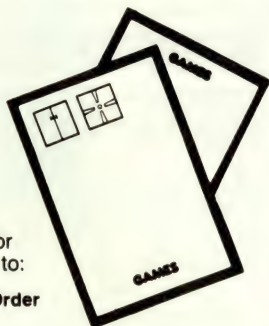
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EDITED BY MIKE SHENK

IN OTHER WORDS TV MAXIMUS

Ever feel guilty that while all your friends are tuned in to *Masterpiece Theatre*, you're watching reruns of *Love Boat*? This quiz may not improve your viewing habits, but it can make your favorite show sound a bit more highbrow. Match each of these Latin TV titles (1-10) to the translated English title (a-j).

1. *Fabulae Saponatae*
2. *Horae Sexagesima Pars Sexagiens*
3. *In Nostra Familia Omnia*
4. *Navis Ad Amores Oentendos Missa*
5. *Via Sesamina Appellata*
6. *Via Clivosa de Tristitiis Nominata Caerulea*
7. *Femina Miranda*
8. *Parvula Domus in Campo Aequo et Aperto*
9. *Amo Luceiam*
10. *Dies Singulus Singillatim*

- a. *Sesame Street*
- b. *Wonder Woman*
- c. *I Love Lucy*
- d. *Soap*
- e. *Little House on the Prairie*
- f. *60 Minutes*
- g. *One Day at a Time*
- h. *Hill Street Blues*
- i. *Love Boat*
- j. *All in the Family*

—Louis Phillips
and Stan Shechter



WORDPLAY DOUBLE THREES

Replace the asterisks in each word at right with two identical sets of three letters to form an eight-letter word. For example, the answer to number 1 is BACKPACK. Only experts will be able to solve all eight of the remaining words.

—Edward Dermon

TWISTS BODY WORKS

We've taken a number of expressions that contain names of parts of the body and redistributed the body parts. Can you put them all back where they belong?

1. Gave the cold eyebrows
2. Was tongue-high to a grasshopper
3. Racked one's finger
4. Raised a few toes
5. Took it on the ear
6. Had a green shoulder
7. Sank one's eyes into
8. Stepped on people's teeth
9. Sticks to your brains
10. A sight for sore hands
11. Won ribs-down
12. Slip of the chin
13. In one mouth and out the other
14. Used some thumb grease
15. Had a knee in the pie
16. Felt down in the elbow

—Barbara Stein

TOUGH NUTS LETTER DICE

We own four dice that have letters instead of dots. There's one letter on each face and no letter is repeated. Thus, 24 letters of the alphabet are represented. From the following list of words that can be rolled using these dice, can you determine which six letters are on each die?

BUSY	REAL	WOMB
VILE	TROD	
FLUX	TYKE	CRUX
HEMP	GASH	
SONG	JACK	GRIN

—David Pritchard

NUMBER PLAY PAINT BY NUMBERS

At Bart's Discount Art Mart, the prices depend only on the name of the artist. If three Renoirs, four Rousseaus, and a Rembrandt cost \$350, and four Renoirs, six Rousseaus, and three Rembrandts cost \$600, how much will eight Renoirs, ten Rousseaus, and a Rembrandt cost? —S. M.

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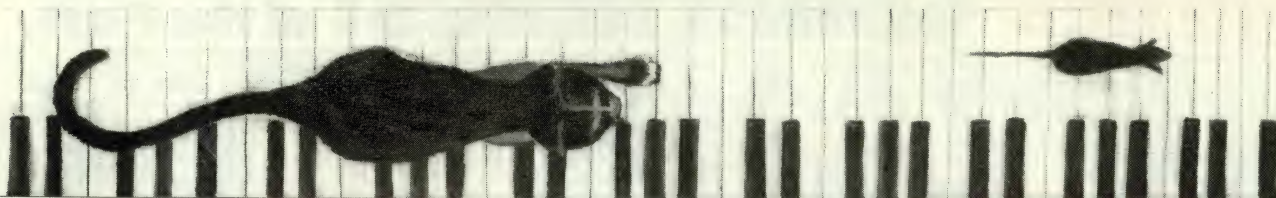


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ELIZABETH FERRET-FROWNING MURDER IN THE COW BARN

A cool, clover-scented breeze took the sting out of the blazing noonday sun; the country setting was idyllic. Suddenly a gunshot jarred Elizabeth Ferret-Frowning out of her bucolic reverie. The detective pulled her car over to the side of the road and turned off the engine, listening for another shot.

It was too early in the year for pheasant hunters. Probably a farm boy shooting tin cans off a fence post, she told herself, as she looked at the cornfields on one side of the road and the dairy cattle grazing on the other side.

She was reaching for the key to start the engine again when a bearded young man in jeans burst out of the cornfield, running for all he was worth.

"Help!" he cried when he saw Lizzie. He ran toward her car as a teenage girl emerged from the cornfield behind him, waving a shotgun. The man, finding Lizzie's door locked, raced behind the car and ducked out of sight.

"He killed my Pa!" the girl cried. "I'm gonna get him."

"Wait!" Lizzie yelled, as she jumped out of the car. "I'm a private detective."

The girl peered suspiciously at Lizzie. "You are?"

"I am," Lizzie said, quickly showing her identification. "Give me the gun and tell me what happened."

"I already told you," the girl said, as she slowly handed the gun to Lizzie. "He killed my Pa. Hit him on the head while he was milking Lulu."

"I didn't kill anybody," said the man, who was still crouching in the dirt on the far side of Lizzie's car. "I'm hiking cross-country and I went in the barn to see if there were any odd jobs I could do to earn a meal. I found this dead man on the floor and when I yelled for help, this crazy girl

appeared, fired a shot at me and started chasing me, claiming I killed her Pa."

"He must have done it," the girl said. "Pa was just fine ten minutes ago when he left to do the milking, and there hasn't been anybody else within six miles of that barn."

"Maybe the cow kicked him," said the man.

"Let's continue this discussion in the barn," said Lizzie.

"I'd rather wait here," said the man.

"You'll come with us," Lizzie said. "You're perfectly safe; I have the gun."

The girl led them the short distance to the barn, with the young man trailing reluctantly behind her. Lizzie brought up the rear.

The farmer was sprawled on the floor next to one of the cow stalls. A large bucket of fresh milk stood on the floor beside him and a three-legged stool was overturned at his feet.

"That's just where he was when I found him," the man said.

"Lookit the lump on his head," said the girl. "You bonked him a good one."

"I didn't," said the man.

"Did, too," said the girl.

Lizzie took a ladle from a hook and slowly stirred the milk while she listened, mixing the thick layer of cream on top into the milk below.

"What do you know, anyway?" said the man. "You're just an ignorant farm girl."

"Liar!" screamed the girl. "I'm leaving this place tomorrow. Nobody can make me stay now."

"Is that why you killed your Pa?" asked Lizzie. "So you could get away from the farm?"

How did Lizzie know who to believe?

—Peg Kehret

WORDPLAY LETTER SWITCH

Two common five-letter English words, both starting with D, are spelled the same except that the second and third letters are switched. One word has two syllables while the other has three syllables. Can you name them?

—Raymond D. Love

TEASERS NOT FOR DUMMIES

There's a small group of people who, at certain times, cannot make the sounds for the letters B, F, M, P, V, or W, though they cleverly manage to get around this problem. Do you know what group this is?

—R. L.

NUMBER PLAY COUNTDOWN

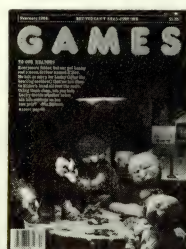
We've taken a simple multiplication problem and replaced most of the digits with dashes. Can you replace each dash with the appropriate digit to reconstruct the original multiplication problem?

$$\begin{array}{r}
 \text{— — — —} \\
 \times \text{— — — —} \\
 \hline
 \text{— — — } 1 \\
 \text{— — } 2 \text{ —} \\
 \text{— — } 3 \text{ — —} \\
 \text{— } 4 \text{ — — —} \\
 \hline
 \text{— } 6 \text{ — — — — } 5 \text{ —}
 \end{array}$$

—Frank Rubin

HERE, AT LAST, AMERICA!

A magazine that hasn't a clue as to who will become president in 1988...that doesn't have the foggiest notion whether there's life in outer space...that won't help you lose weight, improve your golf game, and positively will not keep you up-to-date on what's happening in the world of business and finance!



BUT...if you turn to the Crossword Puzzle before you read the news columns...if your pulse races at the challenge of an intricate maze or brainteaser...if you can't resist exciting word games, number games, logic games, cryptograms...and if you want to keep up-to-date on the latest games around...

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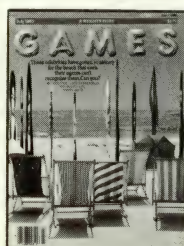
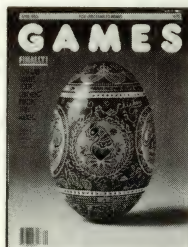
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ANSWERS

10 LOGIC

A Fruitful Experience

Ambrosia sang "I've Got a Lovely Bunch of Coconuts," and was hit by a tomato.

Blossom sang "Lemon Tree," and choked on a cherry pit.

Chiquita sang "Blueberry Hill," and slipped on a banana peel.

Garden Plot

Holly grows lettuce, peppers, chives, and rosemary.

Ollie grows beans, tomatoes, basil, and rosemary.

Polly grows beans, peppers, basil, and chives.

Wally grows lettuce, tomatoes, basil, and chives.

Holiday Gourdge

Proceeding clockwise around the table: Zeno Woolf, cantaloupe soufflé; Virgil Stuffle, cucumber paté; Yvonne Bolte, zucchini compote; Uriah Cramm, squash glacé; Waldo Gullett, pumpkin mousse; and Xanthippe Craw, watermelon flambé.

Still Life

Jasso lived on the first floor and painted bananas, grapes, oranges, pears, and pineapples.

Godula lived on the second floor and painted apples, mangoes, and oranges.

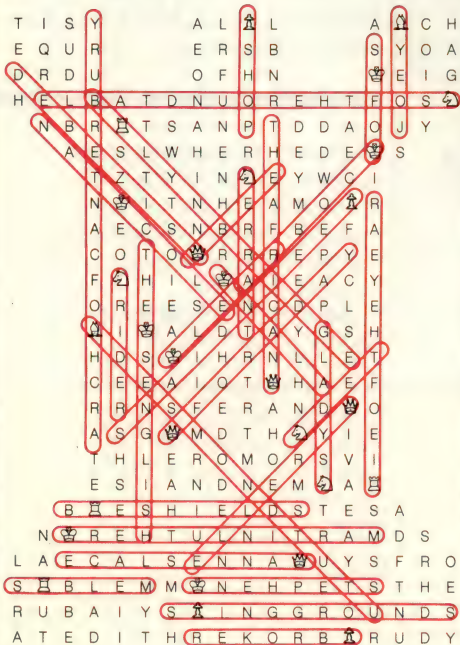
Iddings lived on the third floor and painted kiwis and strawberries.

Karadimitris lived on the fourth floor and painted apples, bananas, grapes, and nectarines.

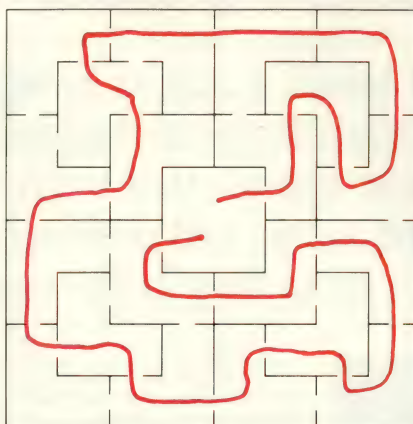
Huelgtgen lived on the fifth floor and painted apples, bananas, grapes, and pears.

For a detailed solution to "Still Life," please send a stamped (39 cents postage), self-addressed business-size envelope to Still Life, GAMES Magazine, 1350 Avenue of the Americas, New York, NY 10019

28 CHECKMATE



31 CLEAN SWEEP



40 LOST AND FOUND

The found objects are shown in red:



34 DOUBLE CROSS

- A. DIRTY
- B. AUF WIEDERSEHEN
- C. LYNDON JOHNSON
- D. ESTHER WILLIAMS
- E. CHEWIER
- F. ALTHOUGH
- G. ROUÉ
- H. NEPTUNE
- I. EDWIN MOSES
- J. GOETHE
- K. IVORY
- L. EARTHLY POWERS

M. SHREWISH
N. TUMULTUOUS
O. OVERWRITE
P. PHNOM PENH
Q. WALT WHITMAN
R. OBIE
S. REVIEW
T. ROUGH
U. YOU CAN'T TAKE
V. IT WITH YOU
W. NEWPORT
X. GURU

When we hate our enemies, we give them power over us—power over our sleep . . . and our happiness. They would dance with joy if they knew how much they were worrying us. Our hate is not hurting them at all, but it is turning our own days . . . into hellish turmoil.—Dale Carnegie, (*How to Stop Worrying* and *Start Living*)

LAUNDRY

(CONTINUED FROM PAGE 5)

"perfecting the game"; actually the game is entirely the work of Andrew and Miles. My time at San Francisco State University was spent organizing their ideas into a form salable to investors and gamers.

Amy S. Leker
Skyrealms Publishing, Inc.
Santa Cruz, CA

The tip for Dszqphsbnt! Number 6 (page 28) states "Only one English word has cipher text pattern TTJTbv." But besides the actual answer, OOLONG, there are also OOOLOGY, the study of bird's eggs, and EELERS, people who catch eels.

Kevin McElroy
Carle Place, NY

Sacré bleu! Grande erreur! In "Country Kitchen" (page 33), 117-Down is defined as "Their, in Toulon." The French word SES, in your answer, can mean "his," "her," or "its," but the word for "their" is LEUR or LEURS.

Ronnie Allen
Santa Cruz, CA

EVENTS

(CONTINUED FROM PAGE 5)

torium, 566 La Guardia Pl., New York, NY. All-day competition climaxes at 4 P.M., when the three finalists cross words onstage. Spectators welcome. Grand prize: \$1,500 and a six-foot championship pencil.

CYCLING Spectators are invited to the 1986 World Cycling Championships, August 27-September 7, at the 7-Eleven Velodrome at Memorial Park in Colorado Springs. For the first time in the U.S., 700 professional and amateur riders from more than 50 countries will compete for bronze, silver, and gold medals as well as for cash. Spectator admission ranges from \$5 (for one day of viewing) to \$95 (for all 10 track sessions and the Opening Ceremony). Contact: 1986 World Cycling Championships, 1750 E. Boulder St., Colorado Springs, CO 80909, or call (303) 578-4627.

GO Players of all ranks can enjoy a full program of classes and demonstrations by professionals from around the world at the U.S. Go Congress '86, August 16-24, in Seattle. Registration fees range from \$10 to \$70 according to extent of participation. The winner of the Western U.S. Go Championship at the end of the week will compete at a future date with the Eastern winner to represent the U.S. in the World Amateur Go Championship in Japan. Contact: U.S. Go Congress, Suite 1448, 4710 University Way N.E., Seattle, WA 98105, or call (206) 323-8758.

JIGSAW PUZZLES Speed is the key as jigsaw puzzlers race to complete 500-piece and 1000-piece puzzles for over \$11,000 in cash prizes, at the 5th Annual American Publishing National Jigsaw Puzzle Champi-

onships, August 16-17, in Athens, Ohio. Registration fees are \$15 (for singles) and \$25 (for doubles) with a deadline of August 8. Entry forms are available from: American Publishing National Jigsaw Puzzle Championships, P.O. Box 747, Athens, OH 45701, or call (614) 592-4981.

MURDER MYSTERY Announcing a gubernatorial candidacy becomes a deadly affair as the Sheraton-Amarillo Hotel & Towers and Murders R Us Inc. present "All's Well That Ends in Murder," August 22-24. Fifty couples, divided into groups, enjoy a weekend of amateur sleuthing, with trophies and prizes awarded to the team that correctly solves the mystery. Cost is \$199 per person, based on double occupancy, and includes room, all meals, reception party, and participation in the mystery. Contact: Steve Layton, Sheraton-Amarillo Hotel & Towers, 3100 I-40 West at Georgia, Amarillo, TX 79102, or call (806) 358-6161.

SAILING Landlubbers can acquaint themselves with the sport of sailing—without wading through boring instruction manuals—at the Chicago International Sailboat Show, August 13-17, at Navy Pier on the lakefront. Certified instructors from the American Sailing Association will conduct free sailing mini-lessons, both ashore and on the water, aboard 25- to 30-foot boats. Contact: ASA, 13922 Marquesas Way, Marina del Rey, CA 90292, or call (213) 822-7171.

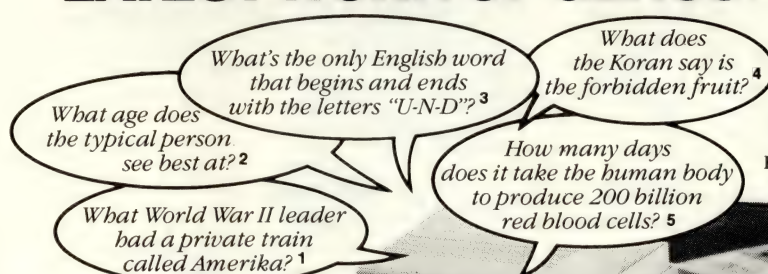
RESULTS

CODED JIGSAW Decipher II: Four winners shared the \$25,000 prize for round one of the Decipher II competition. Eileen Novak, Salem, Oregon; David Hoffman, Weston, Connecticut; Stephen Hamann, Broomall, Pennsylvania; and James Griffith, Scottsdale, Arizona, correctly solved the first of four cryptograms found on the two-sided jigsaw. All four winners chose "cold, hard cash" over gold, silver, and diamonds. Their money, in a 400-lb. block of ice in the shape of a dollar sign, was delivered to their doors. Three cryptograms remain to be solved—and \$75,000 to be awarded.

NATIONAL KNOWLEDGE COMPETITION

Knowledge Master Open: Defending national champion, Rockville High School, in Rockville, Maryland, was the top finisher (1773 points) among the 811 high school and 550 junior high school teams that competed in what is one of the nation's largest academic competitions. Using special contest disks on Apple computers in their schools, students could earn a maximum of 2000 points for the 200 questions from all curriculum areas. Second and third places were Indian Springs High School, Helena, Alabama (1743 points); and W. T. Woodson High School, Fairfax, Virginia (1716 points). Leading the junior high school division, with 1606 points, was Stonewall Jackson Junior High in Orlando, Florida. (Durango, Colorado, April 23)

MATCH WITS WITH OUR LATEST WORK OF GENUS.



Genus II™ is just as addictive and original as the original Genus Edition. And since every edition plays on the Master Game board, why not play Genus II™ with any (or all) of the eight other



editions of the Trivial Pursuit® board game. It's an ingenious way to multiply your trivia treasury.

Answers: 1. Adolf Hitler. 2. Ten. 3. Underground. 4. The banana. 5. One.



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Board Game
All the right stuff
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Trivial Pursuit® is a registered trademark of Horn Abbot, Ltd. (Canada) for the game distributed and sold in the U.S. under exclusive license to Selchow & Righter Co., Bay Shore, NY.

35 CRYPTIC CROSSWORD 1

ACROSS

- 1 Tidying (dignity)
- 5 Theorem (ore + them)
- 9 Appliance (I can + Apple)
- 10 Prune (two meanings)
- 11 Synch (sink)
- 12 Absorbent (absent + orb)
- 13 Panorama (Panama + or)
- 15 One-two (radio NETWORK)
- 18 Dreamy (read my)
- 19 Divorces (discover)
- 22 Seventies (even + sties)
- 24 Annex (Anne + X)
- 25 Golda (old + GA)
- 26 Practices (prices + act)
- 27 Satisfy (say + fits)
- 28 Doodles (d + oodles)

DOWN

- 1 Tears up (Pasteur)
- 2 Do penance (open + dance)
- 3 Irish (iris + h)
- 4 Gendarme (grenade + m)
- 5 Tsetse (jeT SET SETtings)
- 6 Esperanto (parse note)
- 7 Rouse (U + rose)
- 8 Maestro (as Metro)
- 14 Romanians (San Marino)
- 16 Technical (line catch)
- 17 First aid (fir + staid)
- 18 Dosages (do + sages)
- 20 Sexists (s + exists)
- 21 Simply (s + imply)
- 23 Valet (vet + Al)
- 24 Astro (a + sort)

35 CRYPTIC CROSSWORD 2

ACROSS

- 1 Technique (quiche ten)
- 6 Askew (ask + E + W)
- 9 Until (nut + IL)
- 10 Apartment (apt + art + men)
- 11 Dragnet (granted)
- 12 Lordly (droll + Y)
- 14 Repliers (re + pliers)
- 16 Ithaca (with A CAB)
- 19 Nudity (in duty)
- 20 Concerti (cornet + C + I)
- 22 Stigma (Magi + St.)
- 24 Charity (IRS - S + yacht)
- 27 Manhandle (made an NHL)
- 28 Panda (pa + and)
- 29 Sieve (Eve + is)
- 30 Icelfander (I slander)

DOWN

- 1 Thundering (thing + under)
- 2 Catnapped (ant + capped)
- 3 Nylon (NY + lon)
- 4 Quarters (two meanings)
- 5 Enable (el + bane)
- 6 Antarctic (cart + antic)
- 7 Kneel (Neil)
- 8 With (wit + H)
- 13 Vanity Fair (TV if any + air)
- 15 Integrate (ingrate + Te)
- 17 Arraigned (ad + earring)
- 18 Concrete (con + Crete)
- 21 Gandhi (doG AND Hlawatha)
- 23 Tinge (tin + e.g.)
- 25 Alpha (aha + LP)
- 26 Xmas (X + mas)

18 WE LOVE LUCY

1-A; 2-C; 3-B (the woman behind Lucy and Ethel is Elvia Allman); 4-A; 5-B; 6-C; 7-C; 8-B.

This quiz was compiled with the help of *The "I Love Lucy" Book* by Bart Andrews (Doubleday & Co.)

Photo credits: Candy factory, loving cup, and Martian photos from Viacom Enterprises; freezer from Ampersand Photos; Vitameatavegamin, Hedda Hopper, sculptress, and Italian movie from Howard Frank.

2 YOUR MOVE

Odd Man Out

1-g, Christopher Norris; 2-e, Daryl Hannah; 3-a, Gene Tierney; 4-d, Glenn Close; 5-h, Joey Heatherton; 6-f, Michael Learned; 7-b, Sal Mineo; 8-c, Stevie Nicks. Despite the masculine-sounding first names of the others, Sal Mineo is the only male.

Just Beery

1-c, Miller High Life; 2-g, Löwenbräu; 3-e, Budweiser; 4-d, Coors; 5-h, Schlitz; 6-b, Old Milwaukee; 7-j, Heineken; 8-a, Stroh's; 9-f, Miller Lite; 10-i, Budweiser Light.

Loose Change

I have 15 quarters, 26 dimes, 14 nickels, and 45 pennies.

Due Date

The due date was July 9 (written 9/7), interpreted

by the customer as September 7, 60 days later. The two-day difference in dates is accounted for by the transposition of two numbers with a difference of 2 (because 60 days is about two months). To take care of the two-day discrepancy, there must be 62 days between corresponding dates. The only two consecutive months in the same year with 31 days (totaling 62) are July and August.

Family Affair

There are three families. One family has a boy; another family has one boy and two girls; and the third family has three boys and two girls.

For a detailed explanation of the solution, send a self-addressed, stamped envelope to Family Affair, GAMES Magazine, 1350 Avenue of the Americas, New York, NY 10019.

WILD CARD ANSWERS

TV MAXIMUS

- 1-d, Soap
- 2-f, 60 Minutes
- 3-j, All in the Family
- 4-i, Love Boat
- 5-a, Sesame Street
- 6-h, Hill Street Blues
- 7-b, Wonder Woman
- 8-e, Little House on the Prairie
- 9-c, I Love Lucy
- 10-g, One Day at a Time

LETTER DICE

The distribution is: AIOPTY, BCLHNT, DEGJW, FKMRSV.

DOUBLE THREES

1. BACKPACK
2. TINGLING
3. MAINTAIN
4. COOKBOOK
5. SENTIENT
6. DOWNTOWN
7. TESTIEST
8. WINGDING
9. POTSHOTS

BODY WORKS

1. Gave the cold shoulder
2. Was knee-high to a grasshopper
3. Racked one's brains
4. Raised a few eyebrows
5. Took it on the chin
6. Had a green thumb
7. Sank one's teeth into
8. Stepped on people's toes
9. Sticks to your ribs
10. A sight for sore eyes
11. Won hands-down
12. Slip of the tongue
13. In one ear and out the other
14. Used some elbow grease
15. Had a finger in the pie
16. Felt down in the mouth

PAINT BY NUMBERS

\$800. From the facts given, we have two equations (using A, B, and C for Renoir, Rousseau, and Rembrandt, respectively):

$$3A + 4B + C = 350$$

$$4A + 6B + 3C = 600$$

Multiplying the first equation by four yields:

$$12A + 16B + 4C = 1400$$

Subtracting the second equation from this gives:

$$8A + 10B + C = 800$$

Thus, eight Renoirs, ten Rousseaus, and a Rembrandt will cost \$800.

MURDER IN THE COW BARN

In the first place, dairy farmers milk in the morning and evening, not at noon. Additionally, if the farmer had left the house only ten minutes earlier to do the milking, as the girl claimed, the cream would not have had time to rise to the top of the bucket. The farmer was already dead when the young man arrived at the barn.

LETTER SWITCH

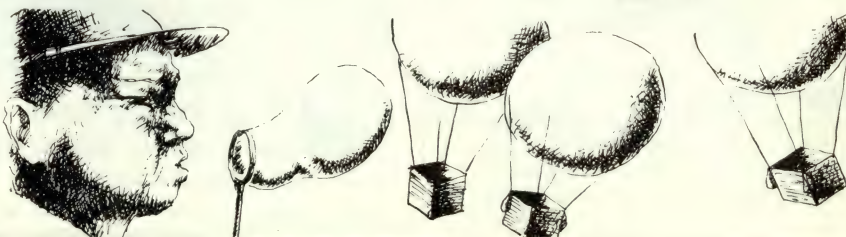
The words are DAIRY and DIARY.

NOT FOR DUMMIES

They're ventriloquists. Since the ventriloquist must keep his lips from moving, he can't close them as is necessary to pronounce the sounds for certain letters. To overcome this problem, letter substitutions are used. Most often, ventriloquists will say *d* for B; *th* (as in "think") for F; *n* for M; *t* for P; *th* (as in "these") for V; and an *oo-ah* sound for W (saying *oo-ah-ter* for "water").

COUNTDOWN

$$\begin{array}{r} 2727 \\ \times 9613 \\ \hline 8181 \\ 2727 \\ 16362 \\ 24543 \\ \hline 26214651 \end{array}$$



GABRIEL GUINCEA

Orient Express™

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TOO!**

Now the world's most famous train is also the setting for the world's most exciting mystery game!

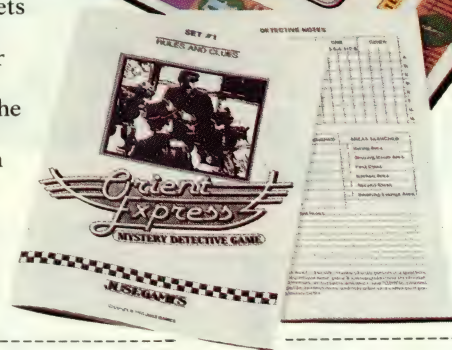
The year is 1913. The world is not yet at war. But a different kind of war is about to begin. A war of nerves. Of logic. Of good versus evil. And *you're* in the thick of it!

You're a world-famous detective, who has booked passage on the equally famous Orient Express. You and your fellow detectives are on your way to a criminologists' convention, when, just 4 hours out of Paris, one of the passengers is found murdered. (Not surprising, since the passenger list is filled with wealthy celebrities, plus the usual assortment of thieves, swindlers, spies, and even assassins.) Your challenge is to uncover the killer or killers *and* the motive *before* any of your fellow detectives can.

A Different Murder Each Time! Select your case from the unique Casebook. You'll actually search for clues throughout the train as you move about the gameboard. Question train crew and suspects...send and receive telegrams to find out more information on people you suspect...even as the train gets closer and closer to its final destination. (And the killers to freedom!)

Will you share clues with other detectives...or put obstacles in their way? (You can even *steal* clues from your rivals—if you're crafty enough!) Who is the killer: The Actress? The Baroness? The Count? The Gambler? Or someone else? Will you uncover a sinister conspiracy? And what's the motive: Jealousy, Greed, Revenge—or something even more diabolical? Put enough clues together and *you* just may be the one who solves the Murder on the Orient Express—and is recognized as the greatest detective of all! For 1 to 6 players.

ITEM NO. 375D



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YES! Please send me the items I have indicated below. I understand that GAMES offers me the following guarantee: I may return the items purchased for a full refund at any time if I am not satisfied—no questions asked!

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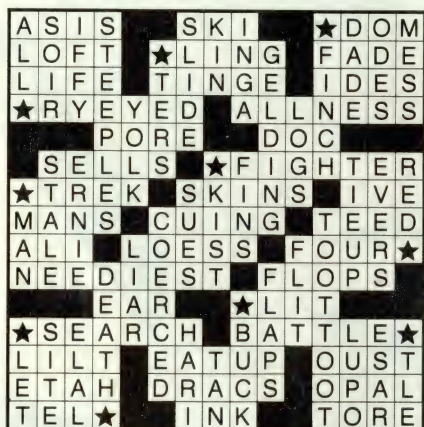
42 CHARACTER STUDIES

A-3, Al Capp, *Li'l Abner*
 B-7, Ernie Bushmiller, *Nancy*
 C-6, Dik Browne, *Hagar the Horrible*
 D-10, Chester Gould, *Dick Tracy*
 E-9, Berke Breathed, *Bloom County*
 F-8, Hank Ketcham, *Dennis the Menace*
 G-1, Dale Messick, *Brenda Starr*
 H-5, George Herriman, *Krazy Kat*
 I-4, Russell Myers, *Broom-Hilda*
 J-2, Jeff MacNelly, *Shoe*

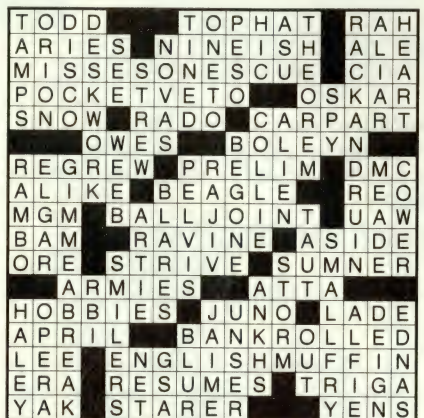
Credits: *Krazy Kat* © 1938, King Features Syndicate; *Shoe* from *The Shoe Must Go On*, © 1983, 1984, Jefferson Communications, Inc.; *Brenda Starr* © 1980 by Chicago Tribune-N.Y. News Synd. Inc.; *Nancy* © 1957, United Features Syndicate; *Broom-Hilda* © 1979, Tribune Media Services; *Bloom County* from *Bloom County*, "Loose Tails", © 1983 Washington Post Co.; *Dennis the Menace* © 1971, Publishers-Hall Syndicate; *Hagar the Horrible* from *All the World Loves a Lover*, © 1980, King Features Syndicate; *Dick Tracy* from *Reuben Award Winner Series*, *Dick Tracy*, Book 3, © 1985 Tribune Media Services; *Li'l Abner* from *The Best of Li'l Abner*, © 1978, Capp Enterprises, Inc.

36 CLUED IN

Give Us the High Sign



Pool Party



Scoring

- Award yourself 10 points for each correct Across answer and each correct Down answer.
- Add 25 bonus points for each full minute by which you beat the time limit (but subtract 25 points from the bonus, up to the point the bonus returns to zero, for each empty square or incorrect letter in your solution).

46 EYEBALL BENDERS

- Blood pressure gauge
- Medical thermometer
- Battery tester
- Thermostat
- Parking meter
- Exercise bike
- Cooking thermometer
- Barometer
- Electric meter

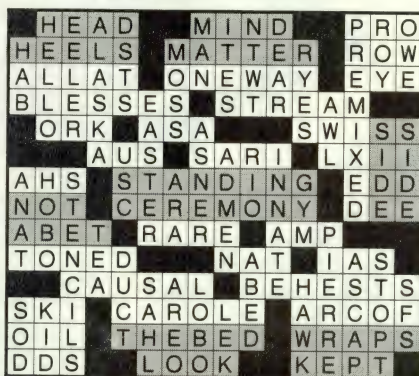
FAKE AD

The Fake Advertisement announced in the Table of Contents was for The Lawn Arranger, and appeared on page 11. Idea by Burt Hochberg. Art by Andy Levine.

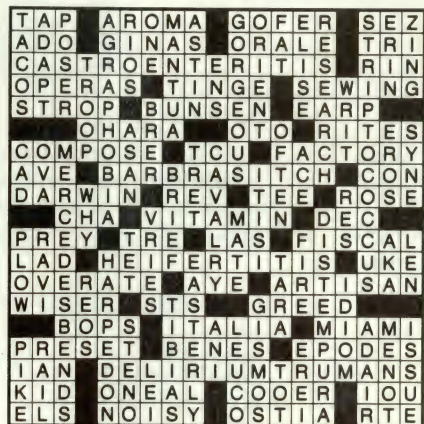
27 WHAT IN TARNATION!

- Tardy
- Tarzan
- Target
- Tartan
- Tarnish
- Tarheel
- Tart
- Tarpaulin
- Tartar
- Tarmac
- Tarkington
- Tartuffe

Position Wanted



Is There a Doctor in the House?



- Add 150 bonus points for a completely correct solution.

Puzzle	Perfect Score Before Bonuses	Winner's Score
1	780 points	1,205 points
2	820 points	1,345 points
3	920 points	1,420 points
4	1,220 points	1,945 points

20 YOSEMITE

The correct sequence is F, A, E, C, D, B. An explanation of each picture follows.

F: Some 15 million years ago, Yosemite was a broad open valley less than 1,000 feet deep. The Merced River wandered slowly through low, rolling hills, and was fed by side streams at river level. The climate was mild and rainy, and the forests consisted mostly of broadleaf trees.

A: Ten million years ago, the second uplift of the Sierra mountain range increased the Merced's speed and cutting power, and turned Yosemite into a mountain valley about 1,600 feet deep. Side streams cascaded to the main valley from hanging upland valleys. The climate was cool and dry, and the mostly conifer forests included the sequoias so familiar to park visitors today.

E: Two to three million years ago, the Sierra had reached its present height. The torrential Merced cut a V-shaped gorge and eroded the canyon to its present depth of 2,000 to 3,000 feet. Winters became even cooler and forests sparser as the Ice Age approached.

C: One million years ago, the Yosemite Glacier filled the valley with rivers of ice, sculpting and polishing rocks. Features of the park familiar today are barely visible above the ice, which was 37 miles long and, in some places, almost four miles wide. Granite and other ice-borne debris were deposited along the edges of the glaciers; the line through the center of the ice at this stage and the next is the debris deposited where two glaciers met.

D: Between 30,000 and 60,000 years ago, debris from the last glacial stage formed a dam (foreground) that held back the melting snow. By this time, the valley had been excavated to its present depth and width, and waterfalls poured from its cliffs.

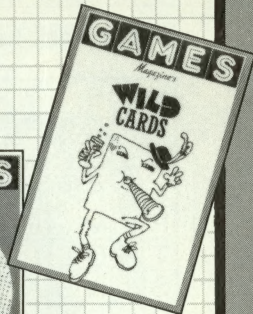
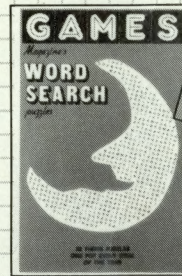
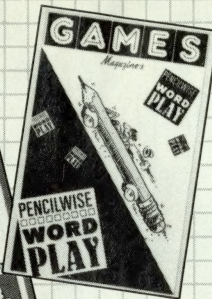
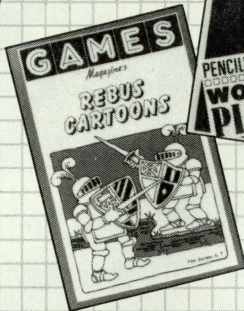
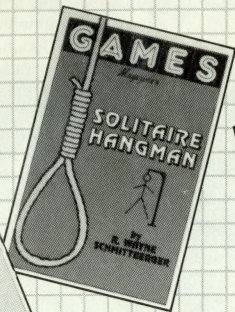
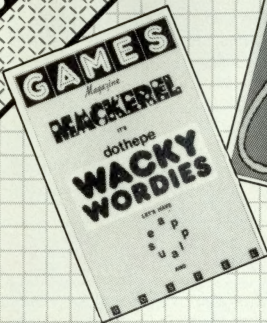
B: Ten thousand years ago, ancient Lake Yosemite filled in the basin that the glaciers left behind. Gradually, postglacial streams deposited silt, sand, and rock, reducing the lake to a marsh, and then eventually to the level valley floor, with the Merced once again running through the valley it helped to carve.

The paintings were made in the 1930s under the supervision of François E. Matthes, who studied Yosemite for the U.S. Geological Survey. Although later geological studies have modified the interpretation of some of the details, Matthes's book *The Incomparable Valley* (University of California Press, 1950) remains the classic study in the area. Geological dates usually have a variance of plus or minus several thousand to a million years.

30 DSZQPHSBNT!

- CRYPTOON. "I lost a contact lens about forty feet out yesterday—has anybody turned anything in yet?"
- WISH LIST. To be without some of the things you want is an indispensable part of happiness. —Bertrand Russell
- PAR FOR THE COURSE. Lawyers might enjoy watching golf on TV, as high ratings would indicate the power of a tourney.
- NOT ON THE BALL. Naive tourist balked at going swimming after he was warned about hotel pool sharks.
- BRRR! Soviet agent assigned to Siberian outpost quickly became the spy who came in with a cold.
- SECOND-HAND GOODS. Beware of buying cheap imitations, or your bargain timepiece may turn into a "stop" watch.
- SNEAKY. Fervid zoologist, trying out new camera, covertly films skittish zebra herd with zoom lens.

FROM THE PAGES OF **GAMES**



Wacky Wordies

GAMES readers began sending us these little typographic word pictures in 1979, and they haven't stopped. By popular demand, we've collected them all in one volume. Warning: They're not all as easy as they look—and, they can be addictive!

\$4.95

Wild Cards

Teasers...twists...trivia...anything goes in the Wild Card Department. This potpourri of play, ranging from easy to hard, has been selected from GAMES for puzzlers who crave variety. You'll love it.

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One hundred fifty puzzles—solved by sounding out elements of each picture—to test your wits and your funnybone! Categories range from actors to zodiac signs, with lots of books, cities, games, movies, songs and TV shows in between. These REBUS CARTOONS, reprinted from our 4*PUZZLER, are designed to challenge you for a long time.

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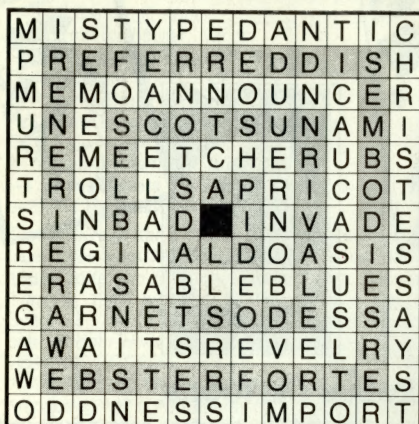
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25 MARCHING BANDS



29 PUZZLES FROM THE POLE VAULT

1. Paint Box

Since the three sections at each corner of the cube all border each other, there must be one red, one yellow, and one black section for each corner—or eight sections of each color altogether.

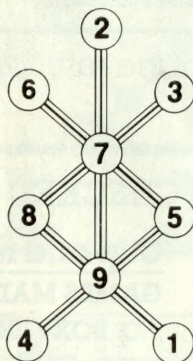
2. Bicycle Race

Since Adam can cycle 50 kilometers in the time Bogdan can cycle 48, the two will be side by side 2 kilometers before the finish of their second race. As Adam is the faster cyclist, he will go on to win. His margin of victory, in case you're interested, will be $2 \times (1 - 48/50)$ or .08 kilometers.

3. Sum Way or Other

The equation is $3548 + 2412 = 5960$.

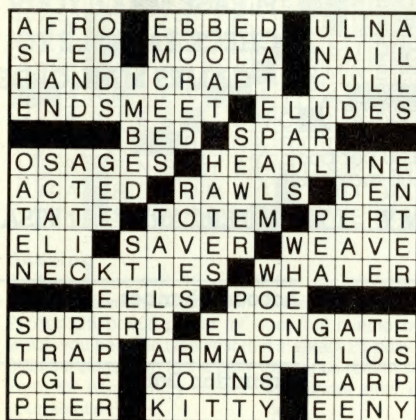
4. Eighteen Holes



5. Follow the Folds

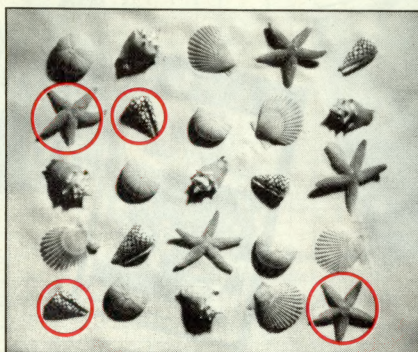
Cube #2 cannot be made from the pattern.

27 BODY SHOP



SEASHELLS COVER

Switch the two circled starfish with the two circled shells.



52 CHESS

- A. 1. Re7xb7! Nd8xb7 2. Nc5-a6 mate.
B. 1. Qe5-g7!+ Kg8xg7 2. Nd4-f5+ Kg7-g8 3. Nf5-h6 mate.
C. 1. ... Qh5xh2+! (not 1. ... Qh5-h3? 2. Qb5-e8 mate) 2. Kg1xh2 Ne5-g4+ 3. Kh2-g1 Nf4-h3+ 4. Kg1-f1 Ng4-h2 mate.
In all three problems the final blow is delivered by a knight.

22 CALL OUR BLUFF

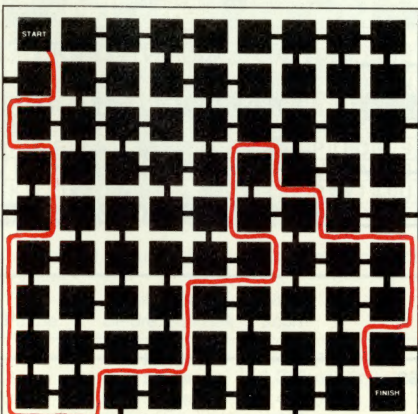
The fakes are as follows:

- Sherbet and ice cream have always been properly eaten with a spoon.
- Etiquette deals with appearances, not morality. What the coats do when left alone in a dark closet is nobody's business.
- Maintaining the silver is not the guest's responsibility. That's what all those servants are for.
- Little messages can indeed be passed on by turning down the corners of visiting cards, but the examples given aren't correct. (The visitor's sex may be deduced by the name on the card; one never admits to wanting to end an acquaintance—one simply stops returning calls; proposals are traditionally offered and accepted in person only.) The real meanings of the corners are: upper left—the card was left in person, not by messenger; upper right—congratulations; lower left—the visitor is leaving town; lower right—condolences.

The genuine rules are from Gaskell's *Compendium of Forms* (1884), *The National Encyclopedia of Business and Social Forms* (1880), and *Social Etiquette of New York* (1880).

8 INVISIBLE MAZE

Barriers are located as shown below. The correct route is in red.



26 WORD DERBY

All the answer words contain names of musical instruments.

- Conundrum
- Violation
- Ambassador
- Funicello
- Fiddlesticks
- Matterhorn
- Hoboes
- Morgan
- Absolute
- Harpoon

The results of the race are: 1st—O (30 lengths); 2nd—A (29); 3rd—I (26); 4th—E (25); 5th—U (21).

EUREKA

Eureka is dedicated to those venturesome spirits who, never settling for a ready answer, have fought their way to a better, more elegant, or more complete solution than the one we gave.

★The Doctors Are In (June cover). Readers sent us many more doctors suggested by our waiting room scene, often giving the same objects many different interpretations (see Letters, page 4). The chemistry set, representing Dr. Jekyll, suggested both Dr. Robert Bunsen, inventor of the Bunsen burner, and Dr. Bunsen E. Honeydew of *The Muppet Show* to Robert R. Jinks, of Milan, IL; while the coatrack made Evelyn Wheeler, of Attica, IN, think of rock singer Dr. Hook.

★The Games Book of Word Records (May, page 46). We stated that the highest-scoring first move in a game of Scrabble, based on the *Official Scrabble Players Dictionary*, was worth 120 points, but Jim Miller, of Crawfordsville, IN, found MUZJIKS (Russian peasants) for 128 points.

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